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MAGNETICAL AND METEOROLOGICAL OBSERVATIONS.

OBSERVATIONS

MADE AT THE

MAGNETICAL AND METEOROLOGICAL OBSERVATORY

AT

BOMBAY;

IN THE YEAR 1846.

AND

PRINTED BY ORDER OF THE HONORABLE EAST INDIA COMPANY,

UNDER THE SUPERINTENDENCE OF

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NOTICE.

The results of the Observations of the year 1846, have not yet been received from Mr. Orlebar, by whom they are being prepared for the Press; but at the special request of that Gentleman I have not delayed the publication of the present volume on that account; they will be published when received in the forthcoming volume for 1847.

The labour of passing the volume through the Press has been diligently and carefully performed, under my directions, by Serjeant Dunn, and Keru Luximon.

CHS. WM. MONTRIOU,
Commander, I. N.
In Charge of Observatory.

OBSERVATORY; COLABA.
Sept. 14th 1849.

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INTRODUCTION.

SITUATION OF THE OBSERVATORY.

THE island of Colaba, on which the Observatories are built, is a narrow island, with a S. & N. direction, bending a little to the east, nearly two miles and a half in length. It is continued towards the south in a long reef, called the Prongs, which is exposed for more than a mile at low water. The base of the Lighthouse is its highest point, which, according to levellings made by the Engineer class of the Elphinstone Institution under Professor Pole, is 47·49 ft. above the level of the floor of the tidehouse, which is about the height of highest high water. The Observatory compound is a little to the north and east of the Lighthouse. The base floor of the large Magnetic Observatory by the same measurements, which are presumed to be accurate to half an inch, is 19·48 above the tidehouse floor. The formation is greenstone trap, which decomposes into a rusty soil. There are a few mangoe and borah (zizyphus lotus) trees within the compound, but no other than the latter, excepting shrubs, within some distance of the Magnetic Observatory. The shore slopes gradually away on the western side of the island towards coral reefs and the open sea, and on the east slopes for some distance until it suddenly sinks into the deep water which forms the entrance to Bombay Harbour. A public road traverses the island from the Fort of Bombay to the Lighthouse, which bounds the Observatory compound on the west, and the sea bounds it on the east. Its Magnetometers can therefore be very little affected by accidental disturbing causes as the presence of iron in its neighbourhood; and as a Meteorological Observatory, it is perfectly free from the influence of hills, radiation from houses, and other circumstances which might vitiate the best conducted observations. Its results may be considered as accurately those of a small island closely connected with the land.

The longtitude appears to be $4^h\ 51^m\ 19^s$ and the latitude 18° 53′ 30″ from the observations hitherto taken at the Observatory.

HISTORY OF THE OBSERVATORY.

The Instruments now in use at Bombay were originally intended for Aden. But the Officers, who had engaged to superintend them, dying, the Royal Society considered that Bombay would be an eligible station, and at the request of Col. Sykes, I attempted a duty which I felt to be quite consistent with my duties in the Elphinstone Institution, and had great pleasure in taking a share in an undertaking, in which the people and Governments of Europe have been more unanimous than in any other during the range of modern history, and to accomplish which the Court of Directors had made so liberal an expenditure. The instruments were accordingly put under my charge on the 15th March, 1841. Unfortunately both the Royal Society and the Makers had forgotten to send me any directions and instructions whatever, and I was not a little dismayed at finding myself, not only without guidance as to the nature of the building, but also as to the parts and objects of many of the instruments which were of course quite new to me. That instructions were given, is evident from a letter from Professor Lloyd, which was found in the Secretary's Office; but I have not been able to discover how they were lost. Capt. Boileau, at Simla, was the nearest Superintendent, and he obligingly sent me down a copy of the Royal Society's instructions, which did not however reach me until after the rains had set in. Previously, however, Mr. Caldecott, the Superintendent of the Travancore Observatory, passed through Bombay, on his way from England, and to his kind assistance I was indebted for sufficient information to commence the work without any further delay.

The distance between the meridian lines passing through the Declination Magnetometer and the Transit Instrument of the Astronomical Observatory, is 117 feet to the east. But the centre of the Declination Magnetometer is 225 feet to the north of the Transit Instrument.* This position of the building makes it possible to prevent any disturbances from iron, it being thus considerably within the Observatory enclosure.

The soil round about is tolerably even and is of greenstone and decomposed rock of red earth, which will therefore act pretty equally all around. The floor is raised about a foot from the soil, and is of chunam. The walls 20 inches thick, are of a shelly limestone which now forms in some parts of the Bombay beach. Their height is 14 feet to the eaves. The roof is of tiles with slopes to the north and to the south. The tiles are no doubt partly magnetic, but there was no remedy, and it was thought that the great height of the roof would cause the effect of the little iron within them to be insensible. The roof is also ceiled. It is lighted by nine windows, each of which is glazed and also venetianed. Through the centre of the roof and dividing the wall is a transit slit, which in the roof is closed by shutters, and in the walls by glass and venetians as the windows.

The three principal instruments of the Observatory, viz. the Declination, Horizontal Force, and Vertical Force Magnetometers are of the same construction as those described in the Royal Society's Committee Report of 1840. They are all raised on pillars of masonry, in which the stone is gypsum. The pillars are surmounted with teak wood $2\frac{1}{4}$ inches thick, and upon this the instruments stand by their own weight.

---

* Measured by Keru 16th July, 1845.

The Declination Magnetometer is placed under the transit slit about 2 feet from the northern interior wall of the building. Its reading telescope is placed on a block of teak, which is fixed on the teak cover of the pedestal. Thus to whatever changes the Magnetometer might be subject, to the same its reading telescope would be liable.

The Horizontal Magnetometer is on a pillar with exactly the same arrangements.

The Vertical Force Magnetometer is on a rectangular pillar, whose upper surface is 3 feet by $1\frac{1}{2}$ foot.

The positions of these instruments will be best understood by referring to the ground plan; where D is the Declination, H is the Horizontal, and V the Vertical Force Magnetometers.

In order to determine the absolute declination, a transit instrument by Dolland was placed in the meridian line of D. in order to determine the absolute declination, as it was known that the declination was but a small angle.

As I had no time to work out Professor Lloyd's Problem of the best position of the instruments, or to obtain the solution from other quarters, I considered that it would be adviseable to make one large room in which the magnets would be sufficiently distant from one another to be free from mutual disturbance. The size of such a room would make it large enough for an Office, and it also could receive the Meteorological Instruments. For I saw no objection to exposing the Magnetometers to the free air in a climate of so uniform a temperature as ours. The Thermometers and Hygrometers were therefore placed on a stand M. which is in the currents of air through the windows E. and W. and through W6. and W2. The object of the other windows was to let in as much air through the venetians at its natural temperature as possible. The Barometer is fixed on the wall at B.

C is a stand for Chronometers. T. and T. are tables where registers are kept and all office work done.

At d, a portable Declination Magnetometer has been placed latterly, and at t, is a Theodolite by which its readings are made.

Through the exertions of Capt. Goodfellow, then Superintending Engineer, I was enabled to have this building erected before the rains. My numerous avocations of course obliged me to give less time than I could have wished to the work, and numerous difficulties, particularly in setting up the Bifilar, occurred through my previous ignorance of the instruments, and from my destitution of assistance; so that I was obliged to work out the mathematical theories of most of the parts of the Vertical and Horizontal Force Magnetometers. This necessarily added greatly to the delay, so that it was not until the first week in September that the Magnetometers were permanently fixed. In all this, I was greatly aided by the zeal and intelligence of my pupil Keru Luximon.

The establishment then sanctioned consisted of three non-Commissioned Officers from the Sappers and Miners, who arrived on the 11th October, 1841. They were not however of much use at first, as during that unhealthy part of the year, they suffered much from sickness. The zeal however and industry, with which they labored, enabled me to carry out a much more extensive series of observations than those contemplated by the Royal Society, until the 1st May 1842, when sickness compelled me to leave India and the magnetic researches. Two of the assistants, Serjeant Dunn and Corporal Saul, continued to exert themselves to the utmost until the day of my departure. The third behaved in a dishonest manner, which compelled me to apply for his return to his corps, as I could no longer place that confidence in his truthfulness, without which nothing could be relied on. I expressed consequently my fears in a commuication to Government that his observations might not be trustworthy. This, however, I am happy to say, I subsequently found was not the case. On projecting the curves of the horizontal force, I could see distinctly that no deceit could have been used.

The observations were carried on hourly; for I could do this easily by dividing the differential observations between the three assistants, and making the absolute determinations myself with Keru Luximon. Serjeant Dunn also assisted at the absolute determinations. Sickness and the removal of one assistant broke a little the continuity of the series, although both myself and Keru assisted in the differential observations. But the series were so complete that all the Magnetic and a large proportion of the Meteorologic changes were determined. Those interruptions which did occur will, I believe, prove of no importance.

The term days were observed from the 1st November, inclusive.

On resuming the superintendency, in April 1845, I found the Establishment to consist of

Serjeant Dunn, from Sappers and Miners.
Keru Luximon.
Ananta Ballal.
Gunesh Narayan.
Dinsha Dorabjee.

The Government had, in addition to those of 1841, supplied a set of small Magnetic instruments.

1. Unifilar Magnetometer.
2. Bifilar Magnetometer.
3. Induction Magnetometer.
4. Portable Unifilar Magnetometer.

These instruments are constructed according to the descriptions in Lieut. Riddell's Magnetical Instructions, only the Induction has but one iron cylinder.

5. Declination Magnetometer.

I have given the above names, as they are those used in the descriptions referred to above; but when hereafter mentioned they will be spoken of as

1. Small Declination Magnetometer, No. I.
2. Small Horizontal Force Magnetometer.
3. Induction Magnetometer.
4. Small Declination Magnetometer, No. II.
5. Small Declination Magnetometer, No. III.

For the reception of these instruments a small Observatory has been erected at the north east angle of the large Observatory. The ground plan of this is given in plate III. The floor is of mud, the foundations of shell sandstone, the wall of bamboo plastered over, and the roof of cajans. There are no windows in it. The bamboos are cut away round the top so as to allow a cool current of air under the ceiling; and it is further kept at an equable temparature by two copper ventilators, one in the north and the other in the east wall. I am indebted to the Superintending Engineer, Capt. Turner, for his assistance in the plan and for facilitating its early erection.

DIURNAL CHANGES OF DECLINATION.

These have been observed hourly by two instruments, the Large Declinometer and the Small Declinometer No. I.

The large declinometer is of exactly the same construction as that described in the Report of the Committee of the Royal Society for 1840. It will therefore be needless to describe it, except in such particulars as are not there noticed.

The dimensions of the bar Magnet, which has been in use, are in parts of a foot and of a grain.

length = 1·25
breadth = 0·0715
thickness = 0·0208
weight = 0·6203

The Magnet has been suspended by the same number of threads as I found it on the 1st April.

The value of each scale division was thus determined: The Magnet with its Collimator was placed in a line with the telescope of a small altitude and azimuth circle, whose circle reads off to 5′ and that is easily read off by micrometers to seconds. And the middle wire of the telescope was made to coincide successively with the several divisions of the scale and the corresponding azimuth readings made.

Reading of		Differences.		Value of one Division of Scale.
Scale.	Circle.	Scale.	Circle.	
	° ′ ″		′ ″	′ ″
24	198·34·14	6	41·03	6·50·6
30·0	197·53·11	5	34·21	6·52·2
35·0	197·18·50			6·49·6
35·0	197·17·04	11	75·05	
24·0	198·32·09	20	2°16′42″	6·50·1
24·0	196·31·06			
4·40	198·47·48			

Mean value of one division 6′50″·5 or 410″·5 = 6′·841

The Zero point of the declination bar was determined by reversals of the Magnet between $8^h\ 44^m$ and $9^h\ 21^m$ 18th April, five readings being taken at each reversal, and the following table contains the results:

18th April	Mean of 5 readings by Reading Telescope.		Half the snm cf Dir. and Rever.
	Direct Position.	Rever. Position.	
$20^h\ 47^m$	21·1893	—	25·2404
$20^h\ 50^m$	—	29·2916	25·2723
$20^h\ 53^m$	21·2531	—	25.2840
$21^h\ 05^m$	—	29·3150	25·1629
$21^h\ 11^m$	21·0108	—	25·1029
$21^h\ 13^m$	—	29·1950	25·0537
$21^h\ 18^m$	20·9125	—	25·0704
$21^h\ 21^m$	—	29·2283	25.1891
	21·1449		
		Means	25·1719

The most uncertain combination is the 4th, for then there was the longest interval between the observations, but this is nearest to the mean, therefore we may conclude that the Zero point is as near as possible to 25·17.

The readings are made by the central wire of the Transit, and therefore every hourly observation is an absolute determination.

In order to destroy internal radiation as much as possible, the interior of the box and the glass covers were gilded, the whole was carefully covered with white cloth, and the edges of the box upon the marble slab as well as the glass vessel over the torsion circle, were well filled up with bees' wax. This was completed by Serjeant Dunn before the 20th of April.

The readings are of course in scale divisions. But by the assistance of a table, the observer immediately reduces them to absolute declination. This table has been thus constructed:

First, a table was calculated, shewing the distance of the axis of the magnet from the central wire of the transit in minutes of arc for every ·01 of a division, which is smaller than can be read by our best observer. The zero of the axis is at 25·1719 of the scale. Consequently the declination is nothing at 25·172; and since when the readings increase, the north end of the magnet moves eastwardly, greater readings than this indicate eastward declination, and less readings westward declination. The vertical argument is the scale reading to tenths of a division. The horizontal arguments are hundreths of a scale reading.

Secondly, another table was prepared by correcting each of these for torsion. This correction was found nothing when the reading circle gave 21·099, and therefore the transit read 25·995. The correction is therefore applied with a + sign to easterly readings greater than 26 and to all westerly readings, but with a minus sign to all easterly readings less than 26.

Both these tables were constructed by Sergeant Dunn and Keru Luximon.

From the 13th of June, when they were completed, a copy of the last table was hung over the registry table, and when the observer entered his observation he took down the corresponding arc reading from the table and entered it into an abstract form, and these are the results which are entered as our observations from page 10 of the Magnetical Observations. In order to anticipate any future doubts it has been considered expedient however to publish the tables in order that if necessary they may be reduced back again.

No correction for azimuth has been applied.

March 2^d 19^h. The observation was taken 10^m after the proper time, the light being extinguished.

April 24^d 15^h. The eye glass of transit was out of position.

May 13^d 18^h. The lamps being out of order, the reading was delayed 10^m.

15^d 16^h. The observation 10^m after the time.

June 18^d 15^h. All three large Magnetometers making large vibrations.

Nov. 2^d 4^h-13^h. During these ten hours, the induction bar was used in experiments then conducted within the building; and in consequence 0·318 scale reading = 2′274 must be subtracted from each of the readings at this time.

Small Declinometer, No. I.

This instrument was at the beginning of the year on a wooden pillar 4 feet high in the N. W. angle of the Small Observatory. It is of exactly the same construction as the unifilar Magnetometer, described in page 60 of Lieut. Riddle's Magnetical Instructions, with the exception that it has no bell glass over it.

The Magnetometer box was attached to the pillar with white lead. The scale was read with the Reading Telescope, which had been used for the Large Declination Magnetometer previous to the exclusive use of the transit instrument. This also was fixed on a wooden pillar 5·5 feet distant from that of the Magnetometer. A solid cylindrical magnet marked A.54. is suspended by two threads of silk. Its dimensions are

length = 2·990 inches
diameter = 0·30

1845 August 22^d The following measurements were made:

distance of the scale from the mirror = 66·05 inches
length of one division of the scale = 0·20
length of the whole scale = 40·00

Let then a be the number of minutes in the angle subtended by the scale between the centre of the scale and the division read, and let a' be the angle.

Let β be the number of minutes, β' the angle measured in the same way on the supposition that the scale is not a straight line but an arc of the circle to which it is in fact a tangent. Then β is always greater than a. Let $\kappa = \beta' - a'$. Let γ' be the number of minutes subtended by one division of the scale on the latter supposition. Then

$$\gamma' = \frac{3437\cdot75}{66\cdot05}\ \frac{2\cdot0}{2} = \frac{3437\cdot75}{660\cdot5} = 5'20$$

$$\therefore\ \beta' = n \times 5'20 \qquad n \text{ being the number of divisions from the centre of the scale.}$$

$$\text{Now } \tan 2a' = \frac{q}{r} = \frac{n\times 0\cdot2}{66\cdot05} = \frac{2n}{660\cdot5}$$

$$\therefore\ a' = \frac{1}{2}\tan^{-1}\frac{2n}{660\cdot5}$$

$$\therefore\ a' = \frac{3437'75}{2}\left\{\frac{2n}{660\cdot5} - \frac{1}{3}\left(\frac{2n}{660\cdot5}\right)^3 + \&c.\right\}$$

$$\therefore\ \kappa = \beta' - a' = \frac{3437'75}{2}\left\{\frac{1}{3}\left(\frac{2n}{660\cdot5}\right)^3 - \&c.\right\} = n\ 5'20\left\{\frac{1}{3}\left(\frac{2n}{660\cdot5}\right)^2 - \frac{1}{5}\left(\frac{2n}{660\cdot5}\right)^4 + \&c.\right\}$$

$$\text{or } \kappa = n \times 1\cdot'73\left(\frac{2n}{660\cdot5}\right)^2 \text{ nearly.}$$

August 22. Torsion having been nearly destroyed by suspending the plummet, the Magnet was suspended and the co-efficient of torsion determined.

Reading of Torsion circle	30°	120°	300°	30°
,, of Scale.	94·95	95·11	94·81	94·95

Hence $\frac{H}{F} = 0{\cdot}00014$

and co-efficient of torsion $= 1{\cdot}00014$

hence the correction for torsion will be only ·01 of a scale reading, supposing the detorsion plane to be at one end of the scale, and the readings to be taken at the other; this correction therefore is entirely omitted in our Observations.

The line perpendicular to the scale was determined by measuring the distance from the centre of the Magnet to the scale, and thus determining the shortest line. The reading of the scale, where this perpendicular meets it, was determined to be 95. It is thought that this is accurate to half a division.

On the 24th, 25th, 26th, and 28th August, the readings of the Small and Large Declinometers were compared as shewn in Tables IV. and V. On projecting the curves however, a discrepancy was observed with regard to the changes of the Large Declinometer, which led to the examination of the lamp used during the night with the large declination. The result proved that the lamp was magnetic, although apparently entirely of copper. The comparison therefore was resumed on the 2d September *with* a satisfactory result, and it was found that there existed between the two Magnetometers a constant difference = 4′.

A table of absolute declination was then formed from the scale readings with this constant difference. It was hung up over the register table of the Small Observatory, and the determinations registered as for the Large Declinometer. These are the quantities registered under the head Small Declination Magnetometer until May 29^{d}.

Feb. 25^{d}. 15^{h}—16^{h}. Observations 7$\frac{1}{2}^{m}$ before the right time.

May 3^{d}. 23^{h}. The telescope was shaken.

It has been observed (page (3) Results of Declination Observations 1845) that both the wooden pillars upon which the instrument, and that upon which the scale was fixed, had begun to crack soon after their erection ; and eventually from this cause so much disturbance had been caused in the position both of the instrument and of the scale, that the results would supply no conclusions for annual changes, although the form of the day-night curve was unaffected. On this account, in the month of June, the instruments in the Small Observatory were taken down, and pillars of Porebunder limestone were substituted for the wooden pillars. The instruments were then again replaced and the adjustments made by Serjeant Dunn, and Keru Luximon.

June 18^d. The instruments embedded in the stone with white lead; and not touched again until they were firmly fixed.

June 21^d. 23^h. The Magnet was removed, and the brass weight attached; the torsion destroyed, and the Magnet replaced.

22^d 0^h. 5^m. The mirror adjusted; and the following measurements made:

distance of the scale from the mirror = 65·76 inches
length of one division of the scale = 0·20 inch

and hence $\alpha' = 5'.23 = 5'\text{-}13''.8$

With this value of a' was formed a table shewing the value of the scale in minutes of arc; and in order that this might shew the true Declination, the readings of the Large and Small Declinometers were compared for two and seventy hours on the 24th, 25th, 26th and 28th June. The result was, that when the telescope read 30·0, then the true Declination is $13'.42$; and that $2'.27$ is to be subtracted from every value of a' to give the true readings. Tables therefore having been calculated and hung up as before, the observations recommenced July 21^d.

Nov. 4^d. 2^h. The induction bar, being brought near, affected the instrument.

DIURNAL CHANGES OF HORIZONTAL FORCE,

have been observed with two instruments. One is the Large Horizontal Force Magnetometer in the Large Observatory, the other is the Bifilar or Small Horizontal Force in the Small Observatory.

The Large Horizontal Force,

by Grubb, of Dublin, is of the same construction as described in the Report of the Royal Society, and as the adjustments were the same as those there directed, I shall refer to them for those which we made, giving only the results; and I shall use the notation there employed.

During the month of January the adjustments and corrections remained the same as last year, and had been determined as follows:

1. *Scale Reading of Collimator.*

The Collimator, fixed near the altitude and azimuth circle with its scale vertical, and the readings of the verticle circle taken as the middle wire of the Telescope, was brought to successive lines of the scale.

Scale. Readings.	Vertical Circle.		Correct Reading.	Differences.	
	South Microscope.	North Microscope.		of reading	for 1·00
	° ′ ″	° ′ ″	° ′ ″	° ′ ″	′ ″
17·00	87·57·07	87·56·35	87·56·51	2·10·05	10·50·04
5.50	85·47·04	85·46·39	85·46·46	1·03·17	10·32·03
11·00*	86·50·29	86·49·46	86·50·03		
17·00	87·56·29	87·56·04	87·56·27	2·10·50	10.54.17
5·00	85·47·00	85·46·15	85·46·37	1·04·48	10·48·00
11·00	86·57·50	86·51·01	86·51·25		
0·00	86·05.30	86·04·45	86.05·07	1·04·31	10·45·16
6·00	87·10·03	87·09·13	87·09·38	0·43·54	10·58·50
10·00	87·54·00	87·53·04	87·53·32	0·43·51	10·57·75
6·00	87·10·18	87·09·25	87·09·41	1·04·38	10·46·33
0·00	86·05·26	86·04·40	86·05 03		
11·00	89·33·05	89·32·17	89·32·43	2·10·05	10·40·83
17·00*	88·23·10	88.22·27	88·22·48	1·00·32	10·05·00
23·00	87·22·39	87·21·59	87·22·16	0·54·13	10·50·60
28·00	86·28·22	86·27·44	86·28·03	0·54·27	10·53·40
23·00	87·22·52	87·22·08	87·22·30		

∴ Rejecting the two observations marked with an asterisk as evidently wrong, the mean of the remainder is

$$10'50''99 = 651''$$

Hence the smallest possible reading is $\frac{651''}{100} = 6''.5$ and therefore any single pair of the above readings would have given a result sufficiently accurate. It appears also that the divisions in the scale are all accurately cut within the error of observation of the magnetic force, but that the scale divisions between 0·00 and 6·00 are inaccurate, being a little smaller than the mean.

The Diameter of Wheel No. 12, was determined by Keru Luximon. He turned the platina wire, with which the wheel is to be suspended several times round the wheel, and then measured the whole length of several circumferences in the following manner: The wheel A. W. B. was fixed in a wooden rod A. B. H. with its axle in C. The wire D.A. W. B. F. E was held tort at the two ends D. and E., a knot having been made as a mark at F. and the wire was passed over the wheel. As the wheel made a revolution, a point H. opposite to F. was marked off on the rod. Thus the length of ten circumferences was found 19·310 inches, which we presume to be quite correct from the accuracy of the measurements along the rod, as the point was successively marked off. Hence one circumference = 1·9310 inches; and the diameter = ·61465 inch.

3. The *interval of wires above* was measured 0·62985 of an inch.

4. *Length of line of suspension* found to be 30·33 inches.

5. The weight of the Magnet, the Collimator with stirrup and wheel together, equal to 7050 grains.

6. Hence,

$$G = w\,\frac{a \times b}{l} = 7050\,\frac{0\cdot61465 \times \cdot062985}{30\cdot33}\,gi$$

7. The preliminary adjustments performed as usual and ultimately.

Torsion ⊙	Scale Reading	
68°·27′	....	Plane of detorsion coinciding with the Magnetic Meridian.
338·28′	12·09	Weight attached.
266·03	12·55	Magnet suspended and North end to the West by which increase of force became denoted by increase of readings.
265·59	12·16	Ditto ....

$$\therefore\ v = 72^\circ\ 29'$$

8. Since one division of the scale $= 651''$

$\therefore a = 651'' \times \cdot0000483 = 0.00031443$

$\therefore k = a \cot v = 0.00099621$

9. $mX = G \sin 72^\circ 29' = 85.33$ in grains and inches.

$mX = 7\cdot152$ in grains and feet.

$mX = 14119\cdot20377$ in millimetres and millegrammes.

10. By taking out the Magnet from the Large Declination Magnetometer, it appeared that ·027 requires to be added to the scale reading of the horizontal force for the effect of the Large Declinometer.

The above co-efficient is that which is to be used until Feb. $2^d\ 22^h$; when it was necessary to obtain a new position for the Magnet, whose readings had now become nearly at the extremity of the scale. In the usual method of approximation it was found that

When the torsion ⊙ marked 66°88′

The reading was $\left\{\begin{matrix} 4.42 \\ 4.39 \end{matrix}\right\}$ when the $\left\{\begin{matrix} \text{magnet} \\ \text{weight} \end{matrix}\right\}$ was suspended.

∴ When the torsion circle marked 66°38′, the plane of detorsion coincided as near as possibly with the Magnetic Meridian ∴ When the torsion ⊙ marked 336°38′ the plane of detorsion would be perpendicular to the Magnetic Meridian at 18^h Göttingen time or a little earlier.

Now $\tan v = \frac{a}{k} = \frac{0{\cdot}00031443}{k}$

If then $k = {\cdot}001$

$v = 72^\circ 21'$

and therefore in order to make $k = .001$ the reading of the torsion circle must be $= 336^\circ 38' - 72^\circ 21' = 264^\circ 17'$ when the Magnet is made perpendicular to the Magnetic Meridian. The torsion circle then reading $336^\circ 38'$ and the weight being attached the readings of the telescope were

13·12
8·58 at $18^h\ 5^m$ G. M. T.
13·10
8·60

The true reading then was 10.845 when the plane of detorsion was perpendicular to the Magnetic Meridian. The torsion circle then being turned to $264^\circ 17'$ it was necessary to obtain the same reading for the Magnet when perpendicular to the Magnetic Meridian in order that $k = .001$. This could be affected only by turning the micrometer, and thereby altering the interval of the threads above. After eight approximations, the results were

Time.	Mean Reading of Telescope.	Micrometer Reading	Thermometer.
$20^h\ 34^m$	10·59	63·0	80°.3
$20^h\ 35^m$	10·91	62·0	

The instrument was left in these adjustments until the end of the year. From the 2nd February therefore to the end of the year

$$k = .001$$

May 1^d. 18^h. The readings having become very low, some fault in the instrument was suspected. Serjeant Dunn found a mass of cobweb at the bottom of the glass tube near the stirrup. On their removal, the reading became 14.480, which is nearly the same as that on the 31st March.

May 30^d. 23^h. 28^m. Another cobweb was found by Keru Luximon. After its removal, the reading increased from 11.700 to 12.660.

June 10^d. 15^h. All the Magnetometers were vibrating.

July 21^d. 15^h. The wire of the Telescope had snapped.

17^h The observation was taken 10^m after the time.

SMALL HORIZONTAL FORCE MAGNETOMETER,

is of exactly the same description as the Bifilar, described in Lieut. Riddle's Instructions.

On the completion of the Small Observatory, it was set up and all the adjustments made by Keru Luximon and Serjeant Dunn. The notation in the following paragraphs is the same as that used by Lieut. Riddle.

August 6th 1845—The suspension tube attached and the instrument placed on its stand, resting on a bed of white lead cement, cemented to a block of wood four feet high; the level of the torsion circle adjusted by means of the plummet, which, when hanging freely quite in the centre of the suspension tube, indicated that the torsion circle is right. The instrument then retained in the required position for a sufficient length of time to allow the cement to set partially and prevent the level from changing. The sides of the box were placed at right angles to the line joining the centres of two blocks, coinciding nearly in this case with the Magnetic Meridian.

The Reading Telescope was fixed on the top of the stand, so that the prolongation of its axis passed through the centre of the mirror; this was done by increasing the distance of the eye piece from the object glass, and viewing the plummet, hung instead of the mirror, exactly on the central wire.

August 9th. The cement being nearly dry, the Magnet was suspended by a single thread of two fibres, the torsion having been previously taken out. The telescope with the scale attached above it was fixed so as to point nearly to the middle of the scale. Reading 21·5.

The suspended Magnet is a hollow cylinder, marked H. 36. Its length is 2·99 inches; its external diameter 0·30, and its internal is 0·24.

The distance from the face of the mirror to the scale $+\frac{1}{2}$ thickness of the mirror was found to be 62·2 inches.

The azimuth and the inclination of the mirror were previouly adjusted so as to reflect the divisons of the scale into the field of view.

Angular value of one division of the scale determined

$$a = 3437'{\cdot}75 \times \frac{l}{2r} = 3437'{\cdot}75 \times \frac{0{\cdot}2}{2 \times 62{\cdot}2} = \frac{3437{\cdot}75}{622} = 5'{\cdot}53 \text{ in arc}$$

$$\therefore a \text{ in parts of radius} = 0{\cdot}00161$$

The adjustments were performed in order to bring the Magnet perpendicular to the meridian and to determine the value of k.; but the results not being satisfactory the adjustments were renewed as follows:—

August 22nd 1845—The Magnet and the double thread were removed and the weight suspended to a single thread. Torsion was taken out and the Magnet suspended in the plane of the meridian, the mirror turned in azimuth and reading of the scale found to be 18·45.

Time of one vibration, with single thread determined, arc of vibration being within 1.°

Number of Vibr.	Time.	Difference	Time of 300 Vibrations.	
	h. m. s.	m. s.		
0	22·56·29·5		m. s. 11·49·5 =709s·5	$\therefore t = \frac{709^s{\cdot}5}{300} = 2^s{\cdot}365$
10	22·56·53·5	0·24·0		
20	22·57·17·0	0·23·5		
30	22·57·40·7	0·23·7		
40	22·58·04.5	0·23·8		
50	22 58·28.0	0·23·5		
100	23·01·26·2	1·58·2		
200	23· 4·22·5	3·56·3		
300	23· 8·19·0	3·56·5		

Angular value of v, calculated for the co-efficient of reduction $= 0{\cdot}001$

$$\text{Cot}\ v = a\kappa = 0{\cdot}00161 \times 0{\cdot}001$$

$$\therefore\ v = 58^\circ{\cdot}08'$$

The co-efficient of torsion was determined in the usual way by turning the torsion pin 90° on either side, and seeing the difference which this makes in the reading of the scale.

Circle.		Scale.	
Readings.	Difference.	Readings.	Difference.
° 6		27·92	
96	90	28·05	0·13
276	180	27·72	0·33
06	90	27·91	0·19

Mean 0·16 difference for 90°

in arc 0′·9

$$\therefore\ \frac{H}{F} = \frac{u}{w - u} = \frac{0{\cdot}9}{5399{\cdot}1} = 0{\cdot}000106$$

$$\therefore\ \text{Coefficient of torsion} = 1 + \frac{H}{F} = 1{\cdot}000106$$

The time of one vibration of the Magnet when hung by the double thread was then calculated by the formulæ.

$$\begin{aligned} t' &= \sqrt{t^2\,\frac{\sin\ v}{1+\sin v}} \\ &= \sqrt{(2{\cdot}365)^2\,\frac{\sin(58^\circ{\cdot}08)}{1+\sin(58^\circ{\cdot}08)}\ 1{\cdot}000106} \\ &= \sqrt{5{\cdot}5938\times 1{\cdot}000106\times\ \frac{\sin\ (58^\circ{\cdot}08)}{1+\sin(58^\circ{\cdot}08'}} \\ &= 1^s{\cdot}603 \end{aligned}$$

The Magnet was then supended by a double thread of two fibres (the mirror not being touched in the slightest degree by the hand, or allowed to come in contact with the sides of the box); and the circle turned until the Magnet rested nearly in the Magnetic Meridian.

The torsion circle was further turned until the Magnet was very approximately in the meridian.

Readings.		
Torsion ⊙	Scale.	
°		
78·00	15·95	
78·25	17·80	
78·30	18·40	which is near enough.

The Magnet was now vibrated and the time of one vibration determined.

No. of Vibrations.	Time.	Difference.
	h. m. s.	m. s.
0	23·49·41·5	
10	23·49·57·5	0·16·0
20	23·50·13·5	0 16.0
30	23·50·29·3	0·15·8
40	23·50·45·0	0·15·7
50	23·51·01·0	0·16·0
100	23·52·20·6	1·19·6

$\therefore t' = \frac{159^s\cdot 1}{100} = 1^s\cdot 591$ which is a little too small.

The difference between the calculated and observed values of t' shewed that the interval of the threads was not right. This interval was decreased a little and the Magnet again vibrated, reading of the scale 17·47.

No. of Vibrations.	Time.	Difference.
	h. m. s.	m. s.
0	0.00·46·0	
50	0· 2·05·5	1·19·5
100	0· 3·24·5	1·19·0

$\therefore t = \frac{158\cdot 5}{100} = 1^s\cdot 585$ a quantity still smaller.

The interval of the threads was now increased a little, and the Magnet again vibrated; the reading of the scale was found altered; the Magnet coincided with the meridian nearly, and reading of the torsion circle=78°35′

No. of Vibrations.	Time.	Difference.
	h. m s.	m. s.
0	0·17·20·0	
10	0·17·36·0	0·16
20	0·17·52·0	0·16
30	0·18·08·0	0·16
40	0·18·24·0	0·16
50	0·18·40·0	0·16
100	0·20·00·0	1·20

$\therefore t' = \frac{160\cdot 0}{100} = 1^s600$ very near the required time.

The interval still increased a little, altered scale made to read 18·5 by turning the torsion circle to 70°40′ and the Magnet again coincided with the meridian, when the vibrations in this position were as below.

No. of Vibrations.	Times.	Differences.	
	h. m. s.	m. s.	
0	0·23·15·0	0·16·0	
10	0·23·31·0	0·16.0	
20	0·23·47·0	0·16·0	
30	0·24·03·0	0·19·0	$\therefore t' = \frac{480^s \cdot 5}{300} = 1^s \cdot 6017$
40	0·24·18·0	0·16·3	
50	0·24·35·3	1·20·2	
100	0·25·35.5	2·40·0	
200	0·28·35·5	2·40·0	
300	0·31·15·5		

From this last value of t', the angle v and the value of t'', was calculated.

$$\sin v = \frac{t'^2}{t^2 - t'^2} = \frac{(1 \cdot 6017)^2}{5 \cdot 5938 - (1 \cdot 6017)^2} = \frac{2^s \cdot 5653}{5 \cdot 5938 - 2 \cdot 5653} = \frac{2 \cdot 5653}{3 \cdot 0285}$$

$$\therefore v = 57^\circ \cdot 54'$$

$$t' = \sqrt{\frac{2}{\cot v}} = \sqrt{\frac{5 \cdot 5938}{\cot (87^\circ \cdot 54')}} = 2^s \cdot 986$$

The torsion circle turned through angle of 30° + 57°54″=147°54′ (from 78°40′ to 290°46) in the direction in which the north end of the Magnet will be towards the west and the increasing readings will denote an increase of force.

The mirror was turned, without stretching the thread, until the division about the middle of the scale was on the middle wire of the reading telescope. Reading 24.80.

The Magnet vibrated and the vibrations taken.

No. of Vibrations.	Times.	Differences.	
	h m. s.	m. s.	
0	1·21·36·5	4·55·0	
100	1·26·31·5	2·28·0	$\therefore t'' = \frac{589 \cdot 5}{200} = 2 \cdot 952$
150	1·28·59·5	2·26·5	
200	1·31·26·0		

The calculated and observed t'' differing very much, the torsion circle was turned backwards, and the vibrations of the Magnet taken when the torsion circle read 289°46.

No. of Vibrations.	Times.	Differences.	
	h. m. s.	m. s.	
0	1·39·08·0	0·29·7	
10	1·39·37·7	0·29·8	
20	1·40·07·5	0·30·0	
30	1.40·37·5	0·30·0	$\therefore t' = \frac{896 \cdot 5}{300} = 2 \cdot 988$
40	1·41·07·5	0·29·8	
50	1·41·37·3	2·29·7	
100	1·44·07·0	4·58·7	
200	1.49·05·7	4·58·8	
300	1·54·04·5		

The difference between the observed and calculated values of t'' may have been produced by not being careful enough in turning the plane of the mirror not to stretch the double thread.

Reading of the scale at $2^h\ 07^m$ 22d August 1845. G. M. T.

Readings.	Mean.	Temp.
16·20 14·60 16·20	15·400	81°·0

Calculation of the value of k for the Small Horizontal Force Magnet.

$$k = a\,\frac{t^2}{t'^2} = \frac{5^s\cdot5938}{(2\cdot988)^2} \times 0\cdot00161 = 0\cdot001007$$

Increasing numbers denote an increasing force.

Jan. $19^d\ 0^h$ A carriage coming near the observatory caused large vibrations.

Feb. 2^d The instrument required adjustments for the same reason as the large instrument. In performing them, the box was disturbed; and consequently it was necessary to refix it and re-perform the adjustments which were recommenced.

Feb. 6^d In order to obtain $k = \cdot001$, it is necessary to take

$$v = 58\cdot03'$$

now $t = 2^s.391$

and torsion force $= 1.00074$

$$\therefore t' = \sqrt{t^2\,\frac{\sin v}{1+\sin v}} = 1^s\cdot619$$

Again by observation with double thread

$t' = 1^s54$ and torsion circle read 192°50′

The interval of the threads was therefore increased, and

$t' = 1^s630$ and torsion circle read 191°01′

The interval was decreased, and

$t' = 1^s6193$ and torsion circle read 190°40

Hence.

$$\sin v = \frac{t'^2}{t^2 - t'^2} = \sin 58°03'$$

$$\text{and } t = \sqrt{\frac{t^2}{\cot v}} = 3^s\cdot028$$

The torsion circle was now turned 148°03′ (from 190 40′ to 42 37′) in the direction in which the north end of the Magnet will be towards the west, and the increasing readings will denote increasing force; and by 100 vibrations

$t'' = 3^s\cdot023$

Since this is too small the torsion circle was moved to 42°25′; and now

$t'' = 3^s\cdot027$

The mean reading of the scale was 27·310 and the temperature 84°·2 at the time when the determination was completed.

Therefore from the 6th Feb. to 29th May,

$$k = a\frac{t^2}{t'^2} = 0{\cdot}001003$$

March, $5^d\ 0^h$. The instrument shaken.

June, $22^d\ 22^h\ 30^m$. All the small instruments having been fixed on stone pillars and being now ready for adjustment, the Magnet was removed, and its support a single thread of two filaments was stretched by the brass weight until its torsion was destroyed.

$22^h\ 40^m$. The Magnet replaced, so that the scale was distinctly seen in the telescope.

$$\text{Since } \frac{l}{2r} = \frac{0{\cdot}20}{2\times 62{\cdot}75}$$

$$\therefore a = \frac{l}{2r} \times 3437{\cdot}75 \times {\cdot}0002909 = 0{\cdot}0001593$$

Let $k = 0{\cdot}001$

then $v = 57°53'$

The coefficient of torsion determined

$$1 + \frac{\mathrm{H}}{\mathrm{F}} = 1{\cdot}000568$$

Again by vibrations

$$t = 2^s414$$

∴ by calculation

$t' = 1^s635$, and the reading of the scale was 25·25

The Magnet being now supported by the double thread, the torsion circle was further turned until the Magnet was very approximately in the meridian.

Time.	Readings.		
	Torsion ⊙	Scale.	
h. m.	° ′		
18·18	29·35	29·00	
18·21	28·55	25·60	which is near enough.

The Magnet being now vibrated $t' = 1{\cdot}617$.

Interval of threads.	Readings.		t'	Number of Vibrations.
	Torsion ⊙	Scale.		
	° ′			
Increased.	28·55	23·65	1^s·610	100
Increased.	30·35	25·12	1·586	50
Decreased.	32·15	25.75	1·655	100
Increased.	31·10	26·25	1·645	100
Increased.	30·15	25·50	1·636	200

From this value of t' by calculation

$$v = 58^\circ 10' \qquad t' = 3^s{\cdot}065.$$

The torsion circle being now turned through 90°+58°10′ to 242°05′ in the direction in which the north end of the Magnet is towards the west, and increasing readings denote an increase of force, the Magnet was vibrated.

Readings of the		t'	Number of Vibrations.
Torsion circle.	Scale.		
° ′			
242·05	19·22	3s·048	100
241·35	23·50	3·097	100
241·50	28·02	3·078	100

$\therefore k = a\dfrac{t^2}{t'^2} = 0{\cdot}000381$ and the reading of the scale was 28·54, temp. = 82°1 1846 June 23^d 20^h 45^m.

Determination of the effect of changes of temperature upon the Magnets used in the Horizontal Force Magnetometers.

The co-efficient of temperature is considered = 0, on account of the reasons given in the introduction for 1845, pages XVIII—XLVIII.

Variation of Magnetism in the Magnets.

In the results of 1845, it had been shewn that the only hope of discovering the changes, which take place during the year in the horizontal force, rested with the Horizontal Force Magnetometer. Nothing however can be deduced from this instrument, unless the changes of magnetism in the bar Magnet could be ascertained. It was convenient to attempt the ascertainment of this by an indirect method, which did not indeed give the desired results, but which shews limits within which it may be presumed that the magnetism of a bar Magnet varies.

For this purpose it was determined to ascertain the changes of magnetism in two bar Magnets, exactly similar in weight and dimensions to those in the Large Declinometers. One of these is distinguished by being divided into inches; the other is marked No. III.

The bar No. III was from the 24th August until the end of October, in the open air but protected from weather by unmagnetic coverings, under some trees, near the Altitude and Azimuth Observatory, and at some distance from any Magnets or iron work. It was placed perpendicular to the magnetic meridian with its north end west, and was therefore in the same position as the bar in the Large Horizontal Force Magnetometer. At intervals it was taken to the Observatory; when care was taken to keep it covered from the rays of the sun and to preserve its perpendicularity to the meridian and its horizontality. In the Observatory it was used to deflect the small Magnet used for absolute determinations.

The precautions abovementioned were deranged in no case but one on the 9th September, when, in bringing the bar into the Observatory, it was dropt; it fell however horizontal.

Deflections of C 25 caused by the bar Magnet.

Distance of centres of Magnets.	Differences of readings when the Magnet was away and when its north end was																	
	W.	E.	W.	E.	W.	E.	W.	E.	W.	E.	W.	E.	W.	E.	W.	E.	W.	E.
5 Feet	1·58	1·58	1·57	1·58	1·59	1·54	1·55	1·56	1·54	1·56	1·54	1·57	1·55	1·57	1·55	1·54	1·56	1·55
4 ,, ...	3·11	3·12	3·11	3·12	3·08	3·07	3·05	3·07	3·05	3·07	3·05	3·06	3·08	3·09	3.05	3·05	3·05	3·07
Date.......	Aug. 24.		Aug 31.		Sept. 9.		Sept. 16		Sept. 30.		Oct. 7.		Oct. 14.				Oct. 30.	

Now } Results page (30) 1844. }

$$\frac{2\,X}{M}\tan u = \left(R-L\right)\left\{\frac{1}{(s\,N')^3}+\frac{1}{(s\,S')^3}\right\} - \left(R+L\right)\left\{\frac{1}{(n\,S')^3}+\frac{1}{(n\,N')^3}\right\}$$

$$(s\ N')^3 = \left\{(R-L)^2 + l^2 - 2\,l\,(R-L)\,\sin u\right\}^{\frac{3}{2}}$$

$$(s\ S')^3 = \left\{(R-L)^2 + l^2 + 2\,l\,(R-L)\,\sin u\right\}^{\frac{3}{2}}$$

$$(n\ S')^3 = \left\{(R+L)^2 + l^2 + 2\,l\,(R+L)\,\sin u\right\}^{\frac{3}{2}}$$

$$(n\ N')^3 = \left\{(R+L)^2 + l^2 - 2\,l\,(R+L)\,si\ nu\right\}^{\frac{3}{2}}$$

In the present case $R - L = 4$ feet $- 7^1/_2$ inches $= 3{\cdot}375$

$$l = 0{\cdot}2627$$

$$\therefore\ \frac{l}{R-L} = 0{\cdot}0778$$

the greatest value of $u = 1°27'10''$

$\therefore$ The greatest $\sin u = 0{\cdot}0253$

Now let $\frac{2\,X}{M}\tan u = a \quad \therefore \log M = \log 2\,X + \log \tan u - \log a$; but $\log 2\,X$ can be accurately ascertained (Results 1845) only to the fourth place of decimals $\therefore$ *log.* a need be accurate only to the same number of places. But

$$\frac{R-L}{(s\ N')^3} = \frac{1}{(R-L)^2}\left\{1 + \frac{l^2}{(R-L)^2} - \frac{2\,l}{R\,L}\sin u\right\}^{\frac{3}{2}}$$

$$= \frac{1}{(R-L)^2}\left\{1 + 3\,\frac{l}{R-L}\sin u - \frac{3}{2}\,\frac{l^2}{(R-L)^2}\right\}$$ which is accurate in the extreme case to four places of decimals by the above numerical values.

and $\frac{R-L}{(\ S's)^3} = \frac{1}{(R-L)^2}\left\{1 - 3\,\frac{l}{R-L} - \frac{3}{2}\,\frac{l^2}{(R-L)^2}\right\}$ for the same reason.

$$\therefore \left(R-L\right)\left\{\frac{1}{(sN')^3} + \frac{1}{(s\,S')^3}\right\} = \frac{1}{(R-L)^2}\left\{1 - 3\,\frac{l^2}{(R-L)^2}\right\}$$

$$\text{and } (R + L)\left\{\frac{1}{(a\,S')^3} + \frac{1}{(a\,N')^3}\right\} = \frac{1}{(R - L)^3}\left\{1 - 3\frac{l^2}{(R - L)^2}\right\}$$

Hence a is independent of u

$$\therefore \frac{\delta M}{M} = \frac{\delta X}{X} + 2 \operatorname{cosec} 2u\, \delta u$$

Now the variation of the deflection between August 24th and October 30th = 3·12 −3·07 = 0·05 scale reading = 1'.40.

$$\therefore -\delta u = \frac{1'{\cdot}40}{180^\circ}\pi = \cdot 00407$$

$$\text{and } \operatorname{cosec} 2u = 19{\cdot}7$$

$$\therefore \frac{\delta M}{M} = \frac{\delta X}{X} - \cdot 1603$$

now X about August 24th and 31st was 7·885 and about the end of October was not less than 7·784 when it was diminishing ∴ $\delta X = -0{\cdot}011$ at most

$$\therefore \frac{\delta X}{X} = -0{\cdot}001 \text{ at most}$$

Hence the magnetism of the bar must have diminished by at least M × ·160. But 2 M seems by the above observations to have been very nearly = 10; and therefore the diminution of magnetism in the bar was possibly

0·80

Or supposing even that δu may have been taken at double its true value, the diminution will yet be

0·40

The loss therefore of magnetism in these large Magnets seems very rapid, and fully accounts for the discrepancies of results between the absolute determinations and the Magnetometers.

The divided bar Magnet was kept in a hut, erected at a very considerable distance from any other building in the Observatory compound. It was placed in the meridian with its north end north until the 7th October. It was expected that in this position the magnetism would increase. Afterwards the north end was turned to the south. The same precautions, and the same method of trying its magnetism was used as for No. III; and the following are some of the observations:

Deflections caused by the divided bar on C 25in declinometer, No. III.

Distance of centres of Magnets.	Differences of readings when the bar was away and when its north end was															
	W.	E.	W.	E.	W.	E.	W.	E.	W.	E.	W.	E.	W.	E.	W.	E.
5 Feet............	1·93	1·92	1·90	1·96	1·91	1·94	1·94	1·92	1·91	1.93	1·90	1·95	1·91	1·96	1·91	1·93
4 ,, ...	3·78	3·85	3·78	3·88	3·76	3·82	3·82	3·78	3·73	3·82	3·74	3·83	3·75	3·83	3·74	3·80
Date.......	Aug. 23		Aug. 31		Sep. 9		Sep. 16		Sep. 30		Oct. 7		Oct. 14			

The difference of readings north end W and E is owing to the centre being wrongly cut; for it is about 0·05 inch too near the south end.

These experiments further prove that in whatever position a Magnet is placed, its force is continually diminishing at a rapid rate for large bars.

DIURNAL CHANGES OF THE VERTICAL FORCE.

These have been observed with a Balance Magnetometer by Robinson. But as this instrument has been fully described in the *Directions of the Royal Society*, and in an *Account of the Magnetical Observatory of Dublin* by Professor Lloyd, and as there is no peculiarity in our instrument, it is unnecessary for me to describe it.

September 14th 1845. On examining the registers I concluded that the previous observations could not be expected to yield any results; and they would not have been published, had I not thought that some negative argument might be derived from them. The cause of its unsatisfactory working appeared to be in the small value of the absolute vertical force of the earth in comparison with that of the horizontal force, and that consequently the knife edges were continually drawn out of their proper position into one at an angle with the meridian. On examination I found that such in fact was the case.

Further, the knife edges had become rusty and notched, and the friction consequently being great the free motion of the needle on its axle had been greatly impeded.

The Magnet was therefore carefully freed from dust by emery and oil, rubbed on with soft leather. The knife edges were taken out and sharpened. Serjeant Dunn in doing this took the opportunity of rendering the balance more sensible than it had been before, by bringing the plane containing the centre of gravity of the unloaded instrument and the edge of the support, perpendicular to the line joining the crosses of the needle.

Serjeant Dunn then performed the following adjustments:

The level of the bas: was examined and found not to have been disturbed; the brass needle was then placed on the agate planes, and the fixed wires of the microscopes adjusted to the same horizontal line, in the usual manner.

The correctness of the micrometers was next determined:—the brass needle *carrying* *a scale* on each end, was placed on the agate planes, and the *value of each turn of the micrometer heads* found to be as follows :—

South Microscope.

Standard Scale.	Micrometer.
10′	1·44·0
20	4·02·5
30	6·04·2
40	8·02·5
50	9·32·0

North Microscope.

Standard Scale.	Micrometer.
10′	2·00·0
20	3·48·5
30	6·02.5
40	8·06.5
50	10·10·0

The irregularities of these readings were found to proceed from a fault in the run of the microscope screws.

The Brass boxes were taken out and the run of the screws adjusted ; they were then replaced, and the eye pieces of the Micrometers drawn out until distinct vision of the wires were obtained. The Micrometer heads were now turned, and the readings observed to be :—

South Microscope.

Standard Scale.	Micrometer.
10′	2·00·0
20	4·00·6
30	6·01·0
40	7·48·6
50	10·08·0

North Microscope.

Standard Scale.	Micrometer.
10′	2·00·0
20	3·49·0
30	5·49·8
40	7·49·8
50	9·38·8

These readings shew, that in order to make the turns of the Micrometer heads agree exactly with the divisions on the scale, it was necessary to increase the distance between the lines of the needle and the object-glass of the south Microscope, and to decrease the distance between the limb and the object glass of the north Miscroscope. This was accordingly done for the S. Microscope, by moving the small collar screw of the object-glass towards the limb, and then moving the whole body of the Microscope towards the limb until distinct vision was obtained, and vice versa for the N. Microscope. The divisions of the scale are 10′ distant from one another ; and after the foregoing adjustments, two revolutions of each Micrometer head coincided exactly with each division of the scale : the adjustment was completed, and the reading found to be :—

Readings.	Mean.	Temper.
S — 3·47·5 N + 0·11·0	1·43·20	88°0

The adjustments of the needle were then made in the usual manner.

Feb. 19^{d}. 0^{h}. The sun's rays affected the observations.

20^{d}. 11^{h}. The third vibration was too great.

March 5^{d}. 14^{h}. The observation was made 20^{m}. after the time.

April 10^{d}. 0^{h}. The instrument was cleaned and a new wire put into the north microscope.

Feb. 24^{d}. 4^{h}. 30^{m}. Since it was suspected that the light of the lamps brought before the glass face of the instrument, and also the changes of day light affected the readings in a similar although less degree than solar light, a paper shade blackened internally was put over the glass face. Two holes were made to let light upon the crosses, and one to read the Thermometer. Two lights were placed before the instrument to illumine the crosses.

The lights were tumblers with oil; and the wicks of cotton on brick supports To ascertain whether any part of this apparatus was Magnetic, the following consecutive readings of the Large Horizontal Force Magnetometer were made :

12·77
13·10 } the light at distance.
12·72

13·10
12·78 } the light very near the west end of the bar Magnet.
13·10

12·76
13·10 } the light again removed.

March 5^{d}. 14^{h}. The observation made 20^{m}. after the time.

April 10^{d}. 0^{h}. The instrument was cleaned, and a new wire put into the north microscope.

May 14^{d}. 24^{h}. A spider caught in the Magnetometer. He had caused a great disturbance.

May 20^{d}. 0^{h}. The Magnet was cleaned.

28^{d}. 5^{h} A wrong reading, owing (it is supposed) to a cobweb ; for after being vibrated, the reading returned to the position which it should have taken consistently with the previous observations.

June 4^d., 0^h., 1^h., 14^h. Lost on account of experiments.
10^d. 15^h. All the Magnetometers vibrating.

Aug. 1^d. 19^h. The observations having been unsatisfactory for the last week, the needle was taken out and cleaned. Without altering the fixed wires of the microscopes, the other adjustments were re-completed by Keru Luxamon.

Oct. 4^d. 19^h. The knife edge, being rusty and jagged, was cleaned and sharpened and the instrument re-adjusted.

Oct. 18^d. 9^h. The Magnet vibrating very much.

23^d. 4^h. The time occupied in checking the vibrations caused the observations to be put off until 10^m.

Oct. 25^d. 23^h. Reading at 23^h. 40^m. 4°32′20. In order to ascertain the cause of the change in the last two hours, Sergeant Dunn opened the box and found many ants about the instrument although he found none on the Magnet. The marble base and the box both within and without was cleaned; and the box replaced. During this examination, he was careful not to disturb the Magnet. After the replacement of the box, the reading was — 4°.46′.22.

Oct. 20^d. 23^h. A spider was caught in the Magnetometer.
Nov. 10^d. 21^h. The door near the Magnetometer was open.

$$\left.\begin{array}{l}\text{Nov. } 19^d.\ 16^h.\\ \text{Dec. } 16^d.\ 23^h.\\ \text{——}\ 17^d.\ 20^h.\end{array}\right\}\text{Observations interrupted by experiments.}$$

Dec. 21^d. 0^h. The paper screen had been taken off.
20^h. But was replaced.
22^d. 20^h. The Magnet was raised and again lowered on the agate planes.
30^d. 20^h. The instrument re-adjusted.

Effect of Temperature on the Magnet.

The experiments to determine this are given in the introduction for 1845; and the correction is presumed to be = 0.

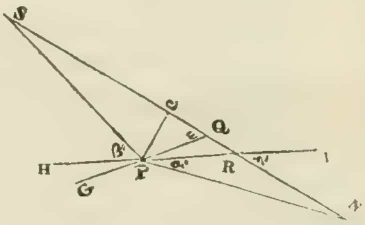
Effect of Solar white light upon the Magnet.

As the glass face of the Magnetometer is before a window, which, although generally closed by venetians, might occasionally be opened, I thought it necessary to determine the effect of solar light.

Gottingen Mean Time.	Temp.	Readings of Microscopes.		Mean.	
		N.	S.		
1845. D. H. M. S.					
Nov.13·11·20·00	86·4	+ 3·41·8	− 1·02· 9	....	Glass windows and venetians shut.
30·00	86·2	+ 3.30·5	− 1·08· 8	....	Venetians only shut.
37·00	86·2	+ 4·63·6	− 0·23· 5	....	Sun beams on north end of Magnet and on the copper tube by opening the venetians.
39·00	87·5	+ 6·45·1	+ 1·30· 8		
43·00	87·0	+ 9·52·0	+ 5·00· 0		
44·52	87·5	+11·23·0	+ 6·32· 5		
47·25	87·6	+13.56·0	+ 8·43· 0		
50·00		+15·76·0	+11·25· 4	....	Mean reading of Actinometer 23.
52·23	88·5	+18·30·0	+14·20· 0		
55·05	89·0	+22·23·5	+17·49· 5		
57·50	88·5	+21·49·0	+18 26· 0	....	Venetians again shut.
12·00.05	88·2	+17·28·5	+13·15· 0		
03·00	80·0	+13·37·0	+ 8·27· 0		
05·05	87·7	+11·43·0	+ 7·03· 0	....	Actinometer 20.
07·30	87·5	+ 9·42·0	+ 4·44· 0		
10·40	87·3	+ 8·33·0	+ 3·39· 0		
13·00	87·0	+ 7·32·0	+ 2·37· 0		
15·03	86·9	+ 7·00·0	+ 2·10· 5		
17·58	86·7	+ 6·22·0	+ 1·29· 5		
20·10	86·5	+ 6·07·1	+ 1·15· 0		
22·40	86·4	+ 5·38·5	+ 0·47· 0	....	Actinometer 16.
25·07	86·2	+ 5·23.0	+ 0·33· 0		
27·46	86·2	+ 5·09·5	+ 0·22· 8		
30·36	85·9	+ 4·47·8	+ 0·11· 0		
32·55	85·6	+ 4·40·5	− 0 02· 4		
36·30	85·6	+ 4·29·0	− 0·12· 8		
49·50	85·6	+ 4.20·0	− 0·20· 5		
52·50		+ 4·12·0	− 0·26· 0		
59·00	84·7	+ 3·30·3	− 1·12·28		Glass and venetains closed.
13·22·58	83·6	+ 4·06·5	− 0·32· 0	....	Light permitted to fall on north end of Magnet.
41·15		+11·05·0	+ 6·19· 0	....	Light on south end only, being reflected by a mirror.
43·05		+11·05·0	+ 6·19· 0	....	Light on north end only, being reflected by a mirror.
43·45		+12·00·0	+ 7·08· 0	....	Light on south end only, north end carefully shaded.
45·43		+11·33·0	+ 6·49· 0	....	Magnet well shaded.
47·40		+ 8·45·0	+ 3·11· 0	....	The whole length of the Magnet was now illuminated by mirrors, the illumination being more intense on the south end. Within two minutes the crosses were carried out of sight.
14 13·00·00	....	......	......	....	The venetians and windows were shut.
30	....	......	......	....	The Magnet coming back.
02·30	....	......	......	....	The crosses almost readable.
04.25		+18·48·7	+10·00· 0		
06·54		+18·43·8	+ 7·00· 0		
07·56		+15·01·0	+ 6·02. 0		
09·06		+ 9·67·0	+ 4·56· 0		
10·38		+ 9·10·5	+ 4·12· 0		
14·02		+ 7·39·0	+ 2·41· 0		
20·28		+ 6·[illegible]·0	+ 1·32· 0		
50·00		+ 4·36·0	+ 0·11· 0		

Three readings are necessary.

Let S C N be the needle of the vertical force Magnetometer, S being the south and N the north pole, and C the centre. Let P be the point of suspension. Suppose that when SCN is horizontal, PC is vertical. Join PN, PS. Then ∠ PSC = ∠ PNC; and let each $= \gamma$. Let PRT be the horizontal line through P, cutting the Magnet in R. Let G be the centre of gravity of the whole apparatus which vibrates with the needle. Then by the construction of the instrument G is below P, and on the south of C. Join GP, and produce GP to Q in SCN. Let CQP $= \epsilon$



Let ∠ IPN $= \alpha''$

∠ SPH $= \beta''$

∠ IRN $= \eta'$

$$\therefore \alpha'' = \eta' - \gamma$$

$$\beta'' = \eta' + \gamma$$

$$\therefore \eta' = \frac{\alpha'' + \beta''}{2}$$

If the crosses were at N and S, or in the same line as N and S, α'' and β' would be the readings of the north and south Micrometers. If this be the case, the readings of the Magnet will be unaltered when the faces of the needle are reversed. If they are not in the same line as N and S after reversal, the reading will have changed and half the difference of the readings will be the difference of the angles made by the magnetic axis and the axis of the crosses respectively. December 19^d. and 20^d. it was found that the difference of these angles in the Bombay instrument = 6.′8, and the position of the magnetic axis and the cross-axis is such that the north pole is above the north cross. Consequently α' and β' being the readings of the crosses when the axis is steady,

$$\eta' = \frac{\alpha' + \beta'}{2} - 6'8$$

Since, however, the needle is always vibrating, the readings α' and β' are never made. Let however the reading α be taken, when the north cross is moving from the horizontal line, at the end of a vibration $= 2v$; then $\alpha = \alpha' + v$, if the vibration is uniform on each side of the true position of equilibrium; and let β be read at the other end of the same vibration; then $\beta = \beta' - v$.

$$\therefore \frac{\alpha + \beta}{2} = \frac{\alpha' - \beta'}{2}$$

$$\therefore \eta = \frac{\alpha + \beta}{2}$$

If then the vibration is uniform, two readings are sufficient; if not, at least three vibrations must be taken, and the place of the true position of equilibrium determined as for the other Magnetometers by the method of Gaus's. Until Jan. 13^d. 15^h. two observations only were made according to the usual manner; after which I directed three observations of each cross to be observed. Keru Luxamon however observing that this took up much time, and two observations of the north end and one of the south would effect the same object, this modification of my plan was followed from Jan. 16^{d}. 20^{h}. to the end of the year. And a_1 a_2 being the observations of the north cross, and β that of the south cross, the published observations are,

$$H = \frac{a_1 + 2\beta_1 + a_2}{4}$$

Whilst the six observations were made the observers misunderstood my directions, and did not always take care to observe the extreme reading. These observations therefore are not to be depended upon.

The following table contains the the values of $a_1 \sim a_2$ at every hour Bombay mean time from 16th Jan. to 24th Feb.

DATE.		0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
Jan.	17	—	—	—	00.4	—	13.8	14.0	02.2	12.0	22.0	27.1	18.1	21.1	00.2	39.2	10.2	07.2	27.0	08.6	09.8	—	07.6	02.8	01.1
	18	—	—	—	—	00.8	—	35.2	12.3	—	15.4	05.4	10.9	10.9	30.6	04.8	10.0	—	—	13.6	03.2	—	02.9	01.2	03.0
	19	—	—	—	—	Vib.	—	01.2	08.8	05.8	14.4	23.6	00.4	12.3	08.8	—	—	Vib.	15.4	05.8	06.7	06.0	03.8	04.2	—
	20	03.0	—	—	—	01.1	—	00.7	30.0	05.2	23.1	—	00.8	02.5	28.6	—	07.2	11.8	—	21.0	01.4	02.0	02.2	01.8	01.8
	21	—	—	—	—	—	—	03.0	—	00.2	03.9	10.6	17.4	02.0	34.8	—	12.8	01.4	08.5	—	05.8	—	12.3	03.6	
	23	01.8	—	01.0	—	—	00.9	03.0	—	04.0	04.6	29.6	18.0	22.0	—	—	43.2	-	08.0	04.1	—	—	01.6	21.3	03.6
	24	02.8	—	08.0	-	—	—																		
	25	—	—	—	—	01.2	—	—	01.0	06.1	04.6	05.6	00.1	01.8	-	—	—	—	—	04.8	—	01.2	—	—	—
	26	—	—	—	—	—	—	—	12.0	—	—	09.5	24.0	20.0	—	—	—	—	06.2	—	05.0	—	—	03.1	-
	27	—	—	—	—	—	—	—	—	—	03.6	08.6	06.6	Vib.	-	42.0	—	—	—	12.8	—	06.2	-	02.8	02.7
	28	—	—	—		—	-	—	04.4	—	12.1	03.0	22.6	48.6	—	—	18.8	02.8	—	—	02.2	—	02.2	02.3	—
	29	—	—	—	—	—	—	03.8	08.2	04.0	14.8	12.4	03.1	14.0	04.4	28.6	23.8	08.4	—	25.6	—	01.9	00.4	06.1	—
	30	01.3	—	—	—	—	-	03.5	13.0	03.3	06.5	13.7	03.2	09.2	—	-	—	—	11.0	—	—	—	03.0	—	—
	31	02.7	—	—	-																				
Feb.	1	—	—	—		04.3	—	00.2	05.9	—	06.6	13.2	—	-	00.1	09.0	—	02.2	47.0	-	02.2	—	—	—	—
	2	—	02.1	—	00.8	-	—	09.0	07.3	—	46.2	17.2	43.4	—	42.2	15.8	—	07.8	04.2	—	—	—	—	—	—
	3	—	—	-	03.2	01.7	—	—	—	02.0	27.6	33.0	31.8	08.0	45.1	—	03.0	03.1	—	38.5	—	—	—	-	—
	4	—	—	—	—	-	—	—	29.0	14.0	11.2	30.8	31.8	05.2	—	01.7	00.9	22.6	04.0	—	—	—	—	-	—
	5	—	—	—	01.0	01.2	—	03.2	14.2	—	-	06.4	21.2	16.8	-	01.1	15.0	04.2	20.2	—	11.0	01.0	—	—	—
	6	—	—	—	—	—	—	06.3	31.1	04.0	08.0	-	—	—	10.2	05.4	29.1	09.7	01.8	—	—	—	—	—	—
	7	—	—	02.3	—																				
	8	—	—	-	—	—	—	10.8	06.2	02.0	—	03.0	-	01.4	03.0	10.0	35.5	11.2	—	12.1	06.7	11.8	—		
	9	—	04.0	00.4	—	00.8	05.0	06.0	06.0	03.6	00.4	03.4	29.6	15.0	19.0	01.1	04.8	10.6	27.2	22.1	-	00.1	—	—	—
	10	—	—	—	—	03.2	—	—	00.4	12.5	20.8	04.2	38.4	—	40.0	01.9	04.7	31.3	25.0	—	—	—	—	—	—
	11	—	—	—	—	03.7	—	—	—	18.2	09.4	21.2	—	—	06.0	—	—	07.4	13.4	02.0	00.1	—	03.8	—	—
	12	—	—	01.6	11.3	01.0	—	—	07.4	—	—	—	—	—	07.5	01.1	01.7	20.0	22.8	29.0	—	—	—	—	—
	13	—	—	10.9	—	—																			
	14	—	—	-	—	—	—	03.3	—	04.4	14.0	11.8	—	—	09.0	06.4	00.8	07.0	26.6	01.6	12.4	05.5	—	—	—
	15	—	—	-	01.3	—	—	05.2	—	—	05.2	10.8	—	—	03.6	04.2	01.1	03.8	18.4	01.2	01.5	-	—	—	—
	16	—	—	01.6	—	—	—	00.6	02.7	05.4	—	—	04.6	33.8	12.8	—	22.5	06.6	66.6	25.8	-	03.8	—	—	—
	17	—	—	—	—	—	01.7	03.7	09.4	05.8	—	—	08.8	—	11.4	02.0	03.8	06.4	04.7	19.0	42.0	—	—	—	—
	18	—	—	—	—	07.8	—	03.4	01.7	03.3	19.0	05.4	—	—	08.4	11.5	07.7	10.0	16.1	00.5	—	—	—	10.6	—
	19	—	46.0	—	—	88.4	05.3	—	03.2	06.4	07.0	—	02.8	08.8	19.8	—	04.8	08.0	08.2	—	13.2	—	-	—	—
	20	—	02.0	—	—	—	—	—	07.5	—	—	10.0	11.4	—	—	01.5	28.8	12.0	17.8	12.0	—	—	—	—	—
	21	—	—	—	—																				
	22	—	—	—	—	12.7	—	—	04.0	12.3	—	03.8	06.4	—	02.8	04.0	04.5	11.1	16.5	07.0	05.6	-	—	-	—
	23	—	—	—	—	—	—	02.3	09.5	00.5	05.2	04.8	—	14.4	39.0	01.9	02.4	00.6	03.5	—	—	—	—	—	—
	24	14.0	03.1	—	00.6	10.0	06.8	01.3	06.0	03.6															

The hours which are left blank are those when no observation was taken; those which are marked with — are those when $a_1 \sim a_2 = 0$.

The value of $a_1 \sim a_2$ is therefore very considerable at night during the interval from 16^{d}. Jan. to 24^{d}. Feb; and it is very inconsiderable during the day. But the projections (Plate 3) prove that the magnetism of the earth varies most between 20^{h}. and 4^{h}. B. M. T. Moreover, currents of air are more likely to have been troublesome during the day than during the night; for at the latter time, the observers kept the Observatory as much as possible closed for their own personal comfort. The difference therefore was most probably owing to a change of magnetism in the needle. Now it has been shewn that the sun's light increases the magnetism of the needle; and it was therefore imagined that the light of the lamps might be the cause of a change of magnetism. For between each two observations, for the space of nearly an hour, the Magnet was in total darkness, and therefore radiating away its magnetism, which all undisturbed magnets seem to do according to some general law; at the end of that time the observer used to bring his lamp before the glass face, and the Magnet was illumined in its whole length. If then artificial light has the same effect as solar light, the lamp light would instantaneously augment the magnetism of the needle, which would then vibrate into a new position of equilibrium.

In order to test the truth of this theory, the face of the Magnetometer was covered with a sheet of paper blackened within, so that the interior of the box was in a state of perpetual darkness. Through this screen, light was admitted into the box by three perforations; one illumined each cross, and one the Thermometer about the ordinary readings of the stem. Thus, it was supposed that no light would fall on the Magnet itself. But in order that this might be of no consequence, even should any sensible light fall on it, two lights were kept constantly burning, one before each cross, in order that the same light always illumining the Magnet, the same amount of magnetism might be caused by it. The following table contains all the values of $a_1 \sim a_2$ when $a_1 \sim a_2$ was not equal to nought between Feb. 25 and May 28.

DATE.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
Feb. 25	....	....	....	....	....	....	....	....	....	....	....	....	....	01.0	....	....	....	....	....	....	....	....	....	....
26	....	....	02.2	....	....	....	....	....	....	....	....	....	....	04.1	07.4	09.0	....	....	....	....	....	....	....	....
27	....	00.1	....	....	....	10.4	10.0	....	....	....	....	....	....	....	19.9	....	....	....	....	....	....	....	....	....
28	....	....	....	....	....	....	05.0	....	....	....	03.9	....	....	....	....	....	....	....	....	....	....	....	....	....
Mar. 3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
4	....	....	....	....	00.2	....	....	06.7	....	....	....	....	....	....	....	....	....	....	....	....	02.0	....	....	....
6	....	....	....	....	....	....	01.0	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
11	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	01.0	....	....	....	....	....
17	....	....	15.6	....	....	....	....	....	....	....	....	....	....	12.6	....	....	....	....	....	....	....	....	....	....
22	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	01.2	....	....	....	....	....	....	....	....
23	....	....	....	....	....	....	17.0	02.0	....	....	....	....	....	21.8	....	....	....	....	....	....	....	....	13.0	....
25	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	04.8	....	....	....	....	....	....	....
26	....	....	....	....	....	....	15.8	....	02.7	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
27	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	12.5	....	....	....	....	....	....
30	03.4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	02.8	....	....	....	....	....	....	....	....
Apr. 2	04.1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	21.2	....	....	....	32.8	....	....
7	....	....	....	....	04.0	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
9	....	....	....	....	04.0	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
16	02.5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
24	....	....	....	....	00.1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
May. 12	....	07.2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
25	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	07.8	....	....	....	....	....	....	....	....
28	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	02.9	....	....	....	....	....

It thus appears that the change of vibrations at night almost entirely ceased from the time that the screen was affixed. The vibrations, which subsequently occurred, were no more than might be expected from accidental currents of air, accidental neighbourhood of iron, or accidental induction.

Hence it seems fair to conclude that the *magnetism of the needle was augmented during the night by the lamp until the screen was used.* And, moreover, since it has been shewn that the sun's *reflected* light augments magnetism, the irregularity of $a_1 \sim a_2$ during the day previously to the 24th Feb. is to be explained by the irregularity of the light within the Observatory ; and therefore *the magnetism of the needle has been irregularly augmented during the day by the day light until the screen was used.*

Corrections therefore to former Observations may be necessary not only on account of the omission of a third reading but also on account of these variations in the magnetism of the needle.

The coefficient of reduction.

Let W be the weight of the Magnet.

d	distance from its centre of gravity to the point of suspension.	
$2l$	length of the needle.	
m	magnetic power of each pole.	When η' is the angle made by the axis of the needle with the horizon.
Y	the vertical force } of the earth	
X	horizontal force } of the earth	
D	inclination.................	

Hence (Dr. Lloyd's Report of the Magnetical Observatory of Dublin p. 47.)

$$2m\,Yl\,\cos\eta' - 2m\,Xl\,\sin\eta' = d\,W\cos(\varepsilon - \eta')$$

$$\therefore \left.\begin{matrix} 2m\,l\cos\eta'.\,\delta Y - 2m\,l\sin\eta'\,\delta X \\ +\,(2\,lY\cos\eta' - 2\,lX\sin\eta')\,\delta m \end{matrix}\right\} = \{2m\,Yl\sin\eta' + 2m\,Xl\cos\eta' + d\,W\sin(\varepsilon-\eta')\}\delta\eta'$$

$$= \left\{\begin{matrix} 2m\,Yl\sin\eta' \times 2m\,X\,l\cos\eta' \\ +\,\dfrac{\sin(\varepsilon-\eta')}{\cos(\varepsilon-\eta')}(2m\,Yl\cos\eta' - 2m\,Xl\cos\eta') \end{matrix}\right\}\delta\eta'$$

$$= 2m\,l\,\frac{Y\sin\varepsilon + X\cos\varepsilon}{\cos(\varepsilon-\eta')}\,\delta\eta'$$

$$\therefore \frac{\delta Y}{Y} = \cot D\tan\eta'\,\frac{\delta X}{X} + \frac{\tan\varepsilon + \cot D}{\cos\eta'}\,\frac{\cos 2}{\cos(\varepsilon-\eta')})\,\delta\eta' - (1 - \cot D\tan\eta')\,\frac{\delta m}{m}$$

In order then to calculate δY, ε must be known. In order to determine this the following method was used. Above the Magnetometer a frame work of wood was fixed. This frame work supported a grooved rod several feet long, so fixed that the groove might be exactly vertical, and its centre exactly over the centre of the vertical force magnet. A small Magnet was raised and lowered in this groove by means of a thread which passed over a pulley at the top of the groove, and the other end of which was managed by the observer's hand. This Magnet then deflected the vertical force needle ; and the value of ε may be determined by these deflections.

For let R be distance between the centres of the two magnets; then the needle is in a position of equilibrium due to the action of the earth's magnetism, its own weight, and the attractions and repulsions of the deflector on its poles. Let then η be the angle which the axis of the needle makes with the Horizon; η', that which it would make, were the deflector removed. Let n and s be the poles of the deflector, and M its magnetism. Draw sP′ and in nP perpendiculars to SN. The equation of equilibrium is, then,

$$-d\,W\,\cos\,(\varepsilon-\eta)+2\,Yl\,m\,\cos\,\eta-2\,Xl\,m\,\sin\,\eta+lM\,m\left\{\frac{n\,P}{(Nn)^3}-\frac{s\,P'}{(S\,n)^3}+\frac{n\,P}{(N\,s)^3}-\frac{s\,P'}{(S\,s)^3}\right\}=0$$

but $d\,W\,\cos\,(\varepsilon-\eta')=2\,m\,Y\,l\,\cos\,\eta'-2\,mXl\,\sin\,\eta'$

$$\therefore\ 2\frac{Y}{M}\,\frac{\sin\,(\eta-\eta')}{\cos\,(\varepsilon-\eta')}\,\sin\,\varepsilon-2\,\frac{X}{M}\,\frac{\sin\,(\eta-\eta')}{\cos\,(\varepsilon-\eta)'}\,\cos\,\varepsilon=\frac{n\,P}{(N\,n)^3}-\frac{s\,P'}{(S\,n)^3}+\frac{n\,P}{(N\,s)^3}-\frac{s\,P}{(S\,s)^3}$$

Let 2L be the length of the deflector

$$\therefore\ \frac{2\,\sin(\eta-\eta')}{M\,\cos(\varepsilon-\eta')}\,\frac{Y\,\sin\,\varepsilon+X\,\cos\,\varepsilon}{\cos\,\eta}=(R-L)\left[\left\{(R-L)^2+l^2+2l(R-L)\sin\,\eta\right\}^{-\frac{3}{2}}+\left\{(R-L)^2+l^2-2l(R-L)\sin\eta\right\}^{-\frac{3}{2}}\right]$$

$$-(R+L)\left[\left\{(R+L)^2+l^2+2l(R+L)\sin\,\eta\right\}^{-\frac{3}{2}}+\left\{(R+L)^2+l^2-2l(R+L)\sin\,\eta\right\}^{-\frac{3}{2}}\right]$$

If $2l\ (R-L)\ \sin\,\eta$ may be neglected in comparison with $(R-L)^2+l^2$

$$\text{Let }2\,\frac{R-L}{\left\{(R-L)^2+l^2\right\}^{-\frac{3}{2}}}\ 2\,\frac{R+L}{\left\{(R+L)^2+l^2\right\}^{-\frac{3}{2}}}=Q$$

$$\therefore\ \frac{2}{M}\,\frac{\sin\,(\eta-\eta')}{\cos\,(\varepsilon-\eta')}\,\frac{Y\,\sin\,\varepsilon-X\,\cos\,\varepsilon}{\cos\,\eta}=Q$$

$$\therefore\ \frac{2X}{M}\,\frac{\sin\,(\eta-\eta')}{\cos\,\eta\,\cos\,\eta'}\,\frac{\tan\,D-\cot\,\varepsilon}{\tan\,\eta'+\cot\,\varepsilon}=Q$$

$$\text{Let }\frac{QM}{2X}\,\frac{\cos\,\eta\,\cos\,\eta'}{\sin\,(\eta-\eta')}=B$$

$$\therefore\ \frac{\tan\,D-\cot\,\varepsilon}{\tan\,\eta'+\cot\,\varepsilon}=B$$

$$\therefore\ \tan\,\varepsilon=\frac{1+B}{\tan\,D+B\,\tan\,\eta'}$$

$$\text{and }\cot\,D+\tan\,\varepsilon=\frac{2+B+B\cot\,D\,\tan\,\eta'}{\tan\,D+B\,\tan\,\eta'}$$

And if the terms, in which $\tan\,\eta'$ is a factor, may be neglected

$$\tan\,\varepsilon=(1+B)\,\cot\,D$$

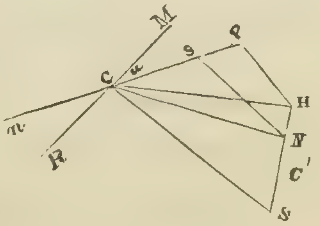
$$\cot\,D+\tan\,\varepsilon=(2+B)\,\cot\,D$$

In order to ascertain the value of ε, the following observations have been made:

1846.	Time.		Name of deflector.	η'		when R = 3 feet.				when R = 2 feet.			
	when the obser. begun	ended.		when the observations begun	ended	the north pole of the deflector being above		below		the north end of the deflector being above		below	
						η	$\eta-\eta'$	η	$\eta-\eta'$	η	$\eta-\eta'$	η	$\eta-\eta'$
D.	h. m.	h. m.											
Jun. 6	7 47	7 48	I_{11}	-13′95	-13′69	- 46′30	-32′61	46′71	- 32′76				
Dec. 9	9 15	9 40	I_{11}	-25·34	-29·53	- 46·34	-18·90	- 9·20	- 18·24	-89′11	-53′17	+29′00	-56′44
10	0 20	0 40	I_{11}	-24·56	-26·55	- 43·06	-17·49	....	....	-78·06	-52·51	+31·12	-56·67
11	0 17	0 42	I_{11}	-26·42	-28·08	- 46·20	-18·95	-10·20	- 17·05	-80·04	-53·15	+30·43	-57·68
14	0 25	0 45	I_{11}	-21·36	-23·18	- 37·83	-17·56	- 4·05	- 17·77	-75·89	-53·62	+30·30	-55·57
15	0 30	0 48	A_{51}	-19·01	-19·51	- 42·80	-23·54	+ 4·65	- 23·91	-58·62	-39·36	+20·45	-39·71
16	0 16	0 32	A_{51}	-24·41	-23·96	- 47·24	-23·06	+ 0·17	- 24·35	-62·86	-37·68	+17·53	-41·71
17	0 15	0 30	A_{51}	-23·43	-22·73	- 47·14	-24·06	+ 0·22	- 23·30	-61·80	-38·72	+16·95	-40.03
21	2 16	3 16	I_{11}	-17·37	-27·70	- 82·05	-55·03	+50·70	- 80·72				
			A_{51}	....	....	-104·22	-81·79	-92·35	-104·78				

				η'		when R = 3½ feet.				when R = 4 feet.			
				when the observations begun	ended	the north end of the deflector being above		below		the north end of the deflector being above		below	
						η	$\eta-\eta'$	η	$\eta-\eta'$	η	$\eta-\eta'$	η	$\eta-\eta'$
D. 23	0 25	0 55	A_{51}	-25′36	-15′75	-57′42	-35′37	+16′51	-38′56	-68′58	-46′58	+34′35	-55·40

In order to ascertain the value of M which is to be used in these experiments, it would not be correct to use that value which is obtained by the usual method of deflections in which the deflector is Horizontal; because when the Magnet is vertical, magnetism is induced and consequently the Magnet is stronger with its north end below, and weaker with its north end above, than in its usual position; consequently the values of *log* L M for I_{11} have been ascertained on the following principle and by the experiments now to be explained.



Let M C R be the magnetic meridian Horizontal line passing through *c*, the centre of *n* C *s* a Magnet which is free only to move round *c* in the Horizontal plane.

C H Horizontal and $\perp$ to MCR

N S a Magnet fixed in the Horizontal plane CHS, so that SNH is $\perp$ to CH.

Then n C s is attracted both by NS and the earth and consequently takes a position of rest making an angle MCP with the meridian.

Let $\angle$ MCP $= u$.

PH be $\perp$ to n C s P.

M .. the Magnetic power of N and also of S

m .... n .... s

$2l$ the length of $n\ s$

$2\mathrm{L}$ .... N S

$\mathrm{CH} = \mathrm{R}$

Let C′ be the centre of NS and HC′ $= x$

$\therefore$ the force exerted by N on s $= \dfrac{\mathrm{M}\,m}{(\mathrm{N}\,s)^2}$

$\therefore$ the effective part of this force in the Horizontal plane $= \dfrac{\mathrm{H}\,s}{(\mathrm{N}\ s)^3}\ \mathrm{M}\,m$

$\therefore$ the effective force of N to turn s round c $= \dfrac{\mathrm{P\,H}}{\mathrm{H\,S}}\ \dfrac{\mathrm{H\,S}}{(\mathrm{N}\ s)^3}\ \mathrm{M}\,m = \dfrac{\mathrm{R}\ cos\ u}{(\mathrm{N}\,s)^3}\ \mathrm{M}\,m$

$\therefore$ the moment of N to turn s round c $= \dfrac{\mathrm{R}\ l\ cos\ u}{(\mathrm{N}\ s)^3}\ \mathrm{M}\,m$

and .... N ...... n ...... $= \dfrac{\mathrm{R}\,l\ cos\ u}{(\mathrm{N}\ n)^3}\ \mathrm{M}\ m$

.... S .. ... s ...... $= -\dfrac{\mathrm{R}\ l\ cos\ u}{(\mathrm{S}\ s)^3}\ \mathrm{M}\ m$

.... S ...... n ...... $= -\dfrac{\mathrm{R}\ l\ cos\ u}{(\mathrm{S}\ n)^3}\ \mathrm{M}\,m$

.... X ...... s ...... $= -\ \mathrm{X}\ m\ l\ sin\ u$

.... X ...... n ...... $= -\ \mathrm{X}\ m\ l\ sin\ u$

$$\therefore\ \frac{2\,\mathrm{X}}{\mathrm{M\ R}}\ tan\ u = \frac{1}{(\mathrm{N}\,s)^3} + \frac{1}{(\mathrm{N}\ n)^3} - \frac{1}{(\mathrm{S}\ s)^3} - \frac{1}{(\mathrm{S}\ s)^3}$$

also $(\mathrm{N}\,s)^2 = (x - \mathrm{L})^2 + (s\,\mathrm{H})^2 = (x - \mathrm{L})^2 + \mathrm{R}^2 + l^2 - 2\,l\,\mathrm{R}\ sin\ u$

$$\therefore\ (\mathrm{N}\ s)^{-3} = \left\{ (x - \mathrm{L})^2 + \mathrm{R}^2 + l^2 - 2\,l\,\mathrm{R}\ sin\ u \right\}^{-\frac{3}{2}}$$

in like manner

$$(\mathrm{N}\ n)^{-3} = \left\{ (x - \mathrm{L})^2 + \mathrm{R}^2 + l^2 + 2\ l\ \mathrm{R}\ sin\ u \right\}^{-\frac{3}{2}}$$

$$(s\ \mathrm{S})^{-3} = \left\{ (x + \mathrm{L})^2 + \mathrm{R}^2 + l^2 - 2\ l\ \mathrm{R}\ sin\ u \right\}^{-\frac{3}{2}}$$

$$(\mathrm{S}\ n)^{-3} = \left\{ (x + \mathrm{L})^2 + \mathrm{R}^2 + l^2 + 2\ l\ \mathrm{R}\ sin\ u \right\}^{-\frac{3}{2}}$$

If then $2\ l\ R\ \sin u$ is an inappreciable number

$$\frac{2\ X \tan u}{M\ R} = \frac{2}{(N\ s)^3} - \frac{2}{(S\ s)^3}$$

$$\therefore \frac{X \tan u}{M\ R} = \frac{1}{(N\ s)^3} - \frac{1}{(S\ s)^3}$$

$$\therefore \frac{X \tan u}{M\ R} = \left\{(x - L)^2 + R^2 + l^2\right\}^{-\frac{3}{2}} - \left\{(x + L)^2 \times R^2 + l^2\right\}^{-\frac{3}{2}}$$

$$= (x^2 + L^2 + R^2 + l^2)^{-\frac{3}{2}} \left(1 + \frac{3\ x\ L}{x^2 + L^2 + R^2 + l^2} - \&c\right)$$

$$- (x^2 + L^2 + R^2 + l^2)^{-\frac{3}{2}} \left(1 - \frac{3\ x\ L}{x^2 + L^2 + R^2 + l^2} - \&c\right).$$

$$= \frac{6\ x\ L}{x^2 + L^2 + R^2 + l^2)^{-\frac{5}{2}}} \text{ if } x^3\ L^3 \text{ is inappreciable}$$

$$\therefore M\ L = \frac{X}{6\ R\ x} (x^2 + L^2 + l^2 + R^2)^{-\frac{5}{2}} \tan u$$

Let $\frac{X}{6\ R\ x} (x^2 + L^2 + l^2 + R^2)^{-\frac{5}{2}} = X_2$

$$\therefore M\ L = X_2 \tan u$$

The Magnetism of I_{11} was accordingly ascertained by deflecting C_{IV}. A Horizontal line perpendicular to the Magnetic Meridian at the centre of C_{IV}. was carefully determined; and its Horizontality was determined by means of points in the Observatory walls, which points had been previously levelled by the surface of water communicating in flexible tubes. I_{11} was suspended from a moveable bar by a thread and pulley by which it could be brought to different heights above and below the plane of the deflected Magnet without any application of the hand to the deflector, and the thread was always in the vertical plane perpendicular to the Magnetic Meridian plane and passing through the centre of the deflected Magnet. The values of x were 0·1017, 0·1434, and 0·1850 both above and below the Horizontal line. The Observations and results are exhibited in the following tables.

DATE.	R.	Deflection in		*Log tan u*	*Log* X_2	*Log* L M. when the north end was	
		Scale.	Arc.			uppermost.	lowered.
D. H. M.							
Dec. 8 2 31	0·75	3· 26	1°31′1	– 2·423	0·466	……	– 2·889
32		2· 67	1·14·7	– 2·337	0·553	……	– 2·890
33		2· 04	0·57·2	– 2·220	0·684	……	– 2·905
35		1· 90	0·53.2	– 2·190	0·684	– 2·874	
36		2· 57	1·11·5	– 2·318	0·553	– 2·871	
37		3· 16	1·28·4	– 2,410	0·466	– 2·876	
38		3· 26	1·31·1	– 2·423	0·466	……	– 2·889
39		2· 68	1·14.9	– 2·338	0·553	……	– 2·891
42		2· 04	0·57·2	– 2·221	0·684	……	– 2·905
44		1· 84	0·51·6	– 2·176	0·684	– 2·860	
45		2· 55	1·12·1	– 2.322	0·553	– 2·875	
46		3· 18	1·29·0	– 2·413	0·466	– 2·879	
4 13	1·00	1· 08	0·29·6	– 3·935	0·918	– 2·853	
14		0· 84	0·22·4	– 3·88	1·02	– 2·83	
15		0· 61	0·17·1	– 3·70	1·15	– 2·85	
16		0· 71	0·19·9	– 3·76	1·15	……	– 2·91
17		0· 93	0·26·0	– 3·87	1·02	……	– 2·89
17		1· 14	0·32·0	– 3·969	0·918	……	– 2·887
18		1· 17	0·32·7	– 3·976	0·918	……	– 2·896
20		0· 87	0·24·3	– 3·85	1·02	……	– 2·87
21		0· 67	0·18·7	– 3·74	1·15	……	– 2,89
22		0· 59	0·16·5	– 3 68	1·15	– 2·83	
24		0· 84	0·22·4	– 3·81	1·02	– 2·83	
25		1· 06	0·29·7	– 3·936	0·918	– 2·854	
Dec. 5 2 37	1·20	0·355	19·9	– 3·45	1·46	……	– 2·91
38		0·210	5·8	– 3·22	1·68	……	– 2·90
39		0·070	……	……	……	……	
44		0·485	13·5	– 3·59	1·32	……	– 2·91
45		0·600	16·8	– 3·689	1·214	……	– 2·903
46		0·365	10·2	– 3·47	1·46	……	– 2·93
48		0·585	16·4	– 3·678	1·214	– 2·892	
50		0·455	12·7	– 3·356	1·32	– 2·88	
51		0·330	9·2	– 3·43	1·46	– 2·89	
52		0·230	6·4	– 3·26	1·68	– 2·94	
53		0·070	……	……	……		
June 6 8 30	0·75	2· 51	1·15·6	– 2·342	0·553	……	– 2·895
55		1· 67	0·46·7	– 2·133	0·553	– 2·686	

Unless errors of observation have been committed, much larger than can be supposed, it follows from these tables that the Magnetism of I_{11} when reversed continued to increase if the reversal was from the north end below to the north end above, although at the instant of reversal it was greatly diminished. And in like manner when the reversal was of a contrary nature, the Magnetism continued to diminish, although at the moment of reversal, it was greatly increased. These phenomena are consistent with observations on induction ; and cause much difficulty in determining L M for a vertical Magnet.

The values of $\eta - \eta'$ have also inconsistencies which are probably referable to the unascertained laws of induction. Pending therefore more complete determinations and more accurate knowledge, it seems expedient to make the following assumptions for the determination of B and ε.

For the observations between Dec. 9^d. and Dec. 14^d.

$log\ 2\,X = 1{\cdot}9992.$

$log\ L\,M = -\,2{\cdot}87732. \quad \therefore\ log\ M = 1{\cdot}87000.$

$\eta' - \eta = -\,55'$; when $R = 2$ feet, and $Q = 0{\cdot}08443$.

$\eta' - \eta = -\,18'$; .... 3 feet, ... $0{\cdot}02772$.

For the observations between Dec. 15^d. and Dec. 17^d.

$L\,M = 0{\cdot}1080$ which is the value from the corrected values in the determination of the absolute force.

$\therefore\ log\ L\,M = -\,1{\cdot}03342 \quad \therefore\ log\ M = -\,1.93305.$

$\eta' - \eta = -\,39'$ when $R = 2\frac{1}{2}$ feet, and $Q = 0{\cdot}05734$.

$\eta' - \eta = -\,24'$ .... 3 feet, ...$0{\cdot}03438$.

The resulting values of B are

$$\left.\begin{array}{l}0.0386\\0.0392\end{array}\right\}\text{ for }I_{11}\text{ with }R = \left\{\begin{array}{l}3\text{ feet.}\\2\text{ feet.}\end{array}\right.$$

$$\left.\begin{array}{l}0.0422\\0.0436\end{array}\right\}\text{ for }A_{s1}\text{ with }R = \left\{\begin{array}{l}3\text{ feet.}\\2\tfrac{1}{2}\text{ feet.}\end{array}\right.$$

$\therefore\ 0.0408 =$ mean value of B.

Assuming $D = 18°30'$

$$tan\ \varepsilon = 1.0408\ cot\ 18°30' = 3.1110 = tan\ 72°11.$$

$$tan\ \varepsilon + cot\ D = 2.010\ cot\ 18°30' = 6.1200.$$

If the other values of B are used instead of the mean, the difference will not be of any consequence unless D is more accurately known than it is. But these differences result from an inaccurate determination of M. This quantity therefore is determined with sufficient accuracy.

For the observations for the 6th June, assuming.

$log\ 2\,X = 1{\cdot}2062$

$log\ M = -\,1{\cdot}8700$

$\eta - \eta' = 37'$ when $R = 3$ feet and $Q = 0{\cdot}01386$.

$D = 18°50'$

$$\therefore\ B = 0{\cdot}059$$

$$\therefore\ \tan\varepsilon = 3{\cdot}086 = \tan 72^\circ 5$$

$$\text{and } \tan\varepsilon + \cot D = 2{\cdot}059\ \cot 18^\circ 50 = 6{\cdot}138$$

From the beginning of the year to the 22d May, there is no determination.

Let α be the *number of minutes* of deflection from the Horizontal line; then the variation of the vertical force will be estimated from 22d may to the end of July by the formula

$$\frac{\delta Y}{Y} = 6{\cdot}120 + \delta\eta - \frac{\delta m}{m} = {\cdot}0017803\ \alpha - \frac{\delta m}{m}$$

During August and September there are no Observations for the co-efficient.

From Oct. 4^{d}. to Dec. 29^{d}. the formula is

$$\frac{\delta Y}{Y} = {\cdot}0017835\ \alpha - \frac{\delta m}{m}$$

Change of Magnetism in the needle.

In order to ascertain $\frac{\delta m}{m}$; the Magnet was vibrated in the Magnetometer box. The vibrations were made by a Magnet attracting without, and therefore there was no disturbance of the needle within by touching it or otherwise running any risk of throwing it out of adjustment or altering its Magnetism. Since then, by Dr. Lloyd's formula (Report of Dublin Magnetical Observatory p. 39.) T being the time of one vertical vibration

$$T = \pi \sqrt{\frac{K}{A\,m\,Y}}$$

$$\therefore\ -\frac{\delta m}{m} = 2\frac{\delta T}{T} + \frac{\delta Y}{Y}$$

but $Y = X \tan D$

$$\therefore\ \frac{\delta Y}{Y} = \frac{\delta X}{X} + 2\frac{\delta D}{\sin 2D}$$

$$\therefore\ -\frac{\delta m}{m} = 2\frac{\delta T}{T} + \frac{\delta X}{X} + 2\frac{\delta D}{\sin 2D}$$

$\frac{\delta D}{\sin 2D}$ must be ascertained from reducing the observations on the inclination, $\frac{\delta X}{X}$ from the corrected values of the absolute determinations of the Horizontal intensity and $\frac{\delta T}{T}$ will be obtained from the following observations; and thus ultimately $\frac{\delta m}{m}$ will be obtained.

The following observations of T were made by observing the time at which every 10th vibration ended. The observations were very consistent; and the results, which alone are given, are correct to the place of decimals entered.

Date.	Middle time of observation.	T.	Number of vibrations.
	h. m.		
1845.			
Dec. 17	23·42	1·8045	100
18	23·49	1·7926	100
19	23.25	1·7913	100
20	21·45	1·7888	100
22	23·28	1·7863	100
23	23·31	1·7875	100
24	23·36	1·7834	100
27	21·25	1·7814	100
29	00·25	1·7827	100
30	23.35	1·7846	100
31	23·20	1·7852	100
1846.			
Jan. 1	00·25	1·7857	100
2	23·20	1·7816	100
3	21·21	1·7740	100
4	23·21	1·7830	100
6	23·24	1·7869	100
7	23·25	1·7860	100
8	23·44	1·7831	100
9	23·17	1.7773	100
10	21·29	1.7828	100
12	23·29	1·7845	100
13	23·26	1·7825	100
14	23·25	1·7826	100
16	23·24	1·7752	100
17	20·45	1·7700	100
19	23·26	1·7658	100
20	23·25	1·7651	100
21	23·24	1·7684	100
23	23·19	1·7613	100
24	21·17		
27	23·29	1·7680	100
28	23·28	1·7560	100
29	23·18	1·7550	100
30	23·19	1·7512	100
Feb. 3	23·29	1·7528	100
4	23·18	1·7532	100
9	23·21	1·7515	100
10		1·7580	100
11	23·17	1·7498	100
12	*		
13	23·26	1·7450	50
16	23·13	1.7500	60
17	23·15	1·7579	70
18	23·16	1·7500	60
19	16·19	1·7465	100
19	23·26	1·7498	50
20	23·17	1·7489	100
Mar. 2	16·15	1·7243	100
3	16·15	1·7322	100
4	16·18	1·7357	100
5	16·18	1·7436	100
6	16·18	1·7338	100
8	16·17	1·7333	100
17	23·18	1·7260	100
22	08·14	1·7163	100
23	19·14	1·7140	100
24	19·18	1·7138	100
25	19·13	1·7159	100
26	19·14	1.7219	100
29	23·14	1·7187	100
30	23·14	1·7130	100
31	23·19	1·7158	100
Apr. 1	23·14	1·7190	100
2	23·11	1·7238	70
3	16·15	1·7317	90
5	16·21	1·7065	100
7	23·13	1·5825	100†
May 11	00·01	1·3335	10†
12	23·17	1.2218	10†
13	20·02	1.2280	10†
14	23·15	0·744	5†
15	....	0·705	10†

* Disturbances destroyed the observations on each of these days.

† The inaccuracy of these days was owing to the injured state of the knife edge, in which the friction was now gradually increasing and all the observations loosing their accuracy.

Each of the observations took about half an hour to complete.

INDUCTION

was observed with a small portable instrument. It stands on a tripod base with a fixed circular plate 5 inches in diameter, graduated so as to be read off by verniers to 20″, and carrying an upper revolving plate with two projecting arms. One arm supports a telescope, the other a socket for purpose of supporting a soft iron cylinder. A rectangular box is screwed on the the upper plate to contain the Magnet, which is suspended by a single thread in a glass tube from an apparatus similar to that used in the Declination Magnetometers. The observations are made by viewing through the telescope a scale fixed near the eye piece of the telescope, the divisions being reflected by a mirror fixed to the Magnet.

The scale is divided into 30 parts, and these are subdivided into tenths. The tenths are again decimally divided by the eye; but it certainly cannot be read off with accuracy within .02 of the scale.

The solid cylindrical Magnet suspended is marked A 55; its length is 3.64; inches and diameter 0.30 inches.

The angular value of the scale was determined by turning the telescope in azimuth, after levelling the instrument and taking out the torsion of the suspension thread so that the Magnet and mirror remained in the meridian whilst the telescope moved round. Consequently different points of the scale were reflected at different angles of the telescope. The telescope was turned so that successive divisions of the scale were made to coincide with the telescope wire; and at each reading of the scale, a vernier was read off. The intervals of the scale are then measured by the difference of readings of the verniers.

Vernier.		Scale.		Value of one division.
Reading.	Difference.	Reading.	Difference.	
5° 0′ 0	0°53′20″	1·00	4·00	14′57
4·01·40	0·57·40·	5·00	4·00	14·42
3·04· 0	0·57·20·	9·00	4·00	14·32
3·06· 0	0·57·10·	13·00	4·00	14·30
1·09·30	0·57·30·	17·00	4·00	14·37
0·12· 0	0·57·20·	21·00	4·00	14·32
359·14·40	0.43·00·	25·00	3·00	14·33
358.31·40	6·42·14·	28·00	28·00	14·37
5·14·20				
Mean value of one division				14·37

July 30^{d}. 22^{h}. 12^{m}. The Magnet was suspended and lowered to within about $\frac{2}{10}$ of the upper surface of the copper box, in order that the centre of the Magnet and the upper surface of the iron bar socket might be in the same Horizontal plane.

July 30^{d}. 22^{h}. 30^{m}. Torsion force was ascertained as usual:

Torsion Circle.		Scale.		
Readings.	Mean.	Readings.	Mean.	
33°		14·13		
123	90°	14·32	0·19	Reading of scale = 14·14
303	180	13·95	0·37	and of circle = 1°50′50″
33	90	14.15	0·20	

Mean........ 90° 0·19' + 14'37 = 2'73

$$\text{Hence } \frac{H}{F} = \frac{2'73}{5397} = 0{\cdot}00051$$

$$\therefore 1 + \frac{H}{F} = 1{\cdot}00051$$

On the 20th August the co-efficient was again determined and $1 + \frac{H}{F} = 1{\cdot}00056$

Therefore the correction on account of torsion for the whole extent of scale, is but 0·01, which is too small to be considered.

The next object was to form a table which would give the declination corresponding to any reading of the scale. Readings of the large declinometer were therefore taken contemporaneously with the induction instrument on the 31st July from 7^{h}. 05^{m}. to 7^{h}. 20^{m}.

Declination.		Declination.		Induction.		Induction		Induction.	
Readings	Mean.	Readings	Mean.	Readings	Mean.	Readings	Mean.	Readings	Mean.
26·70		26·70		13·99		14·02	14·007	14·01	14·002
26·74	26·720	26·70	26·700	14·17	14·030	14·00	14·002	13·99	14·000
26·70		26·70		13·99	14·030	13·99	13·997	14·01	14·000
——		——		14·07	14.030	14.01	14·000	13·99	14·000
26·70		26·70	26·700	13·99	14·030	13·99	14·000	14·01	14.002
26·74	26·720	——		14·07	14·030	14·01	14·000	14·00	14·002
26·70		26·70	26 700	13·99	14·027	13·99	14·000	14·00	14·000
——		——		14·06	14·025	14.01	14·002	14·00	14·000
26.70		26·70	26·700	13·99	14.025	14·00	14·005	14·00	14·000
26·72	26·710	——		14 06	14·025	14·01	14·002	14·00	14·000
26 70		26·70	26·700	13·99	14·025	13·99	14.000	14·00	14·000
——		——		14·06	14·025	14·01	14·002	14·00	14·000
26·70		26·70	26·700	13·99	14·025	14·00	14·000	14·00	14·000
26·72	26·710	——		14·04	14·015	14·00	14·000	14·00	14·000
26·70		26·70	27·700	13·99	14·012	14.00	14·002	14·00	14·000
——		——		14·03	14·010	14·01	14·005	14·00	14·000
26·70		26·70	26·700	13·99	14·010	14·00	14·002	14·00	14·000
23·71	26·705	——		14·03	14·010	14·00	14·000	14·00	14·000
26·70		26·70	26·700	13·99	14·007	14·00	14·000	14·00	14 000
——		——				14·00	14.000	14·00	14·000
26·70		26·70							
26·71	26·705	26·68	26·690						
26·70		26·70							
——		——							
26·70		26·70							
26·71	26·705	26·68	26·690						
26 70		26·70							

Taking the mean of all these observations it appears that the corresponding readings of the declination Magnetometer and the induction when used as a declination Magnetometer, are 26.703 and 14 007, but the absolute declination when the large declinometer reads 26.703, is 0°10′.676; therefore when the induction reads 14.007, the absolute declination is 0°10′.676. Upon this basis and with the ascertained value of the scale reading, table XII was constructed.

The instrument is so adjusted that increasing readings on the scale denote motion of the north end of the Magnet towards the east.

In order to ascertain whether the induction would shew the same movement as the declinometers, we made several comparisons, out of which I select those on the 2nd September 1845, as shewing most satisfactorily that although the induction is not so perfect an instrument as either of the other three instruments, yet its inaccuracy is of little importance, which will be more clearly seen in the curves of Plates III. and IV. than in the following table.

Göttingen Mean Time.	Large Declinometer.	Induction Inclinometer.	Small Declinometer.	Induction.	
				Diff. from Large Declinometer.	Diff. from Mean Diff.
h. m.					
0·0	14′94	12′93	19′82	–2′01	–0′15
1·0	15.21	12·93	19·76	–2·28	+0·12
2·0	14·87	12·93	19·71	–1·94	–0·22
3·0	15·00	12·79	19 39	–2·21	+0·05
4·0	14·25	12·36	19·19	–1·89	–0·27
5·0	14·59	11·50	18·72	–3·09	+0·93
6·0	13·81	11·50	18 30	–2·34	+0·18
7·0	13·91	11·50	18·67	–2·41	+0·25
8·0	13·91	11·50	18·72	–2·41	+0·25
9·0	13·91	11·64	18·72	–2·27	+0·11
10	13·15	11·50	18·20	–1·65	–0·51
11	13·84	11·64	18·72	–2·20	+0·04
12	13·22	11·35	18·10	–1·87	–0·29
13	13·77	12·22	18·98	–1·55	–0·61
14	13·83	14·37	21·11	–1·46	–0·70
15	16·58	14·37	21·42	–2·21	+0·05
16	16·17	14·08	20·95	–2·09	–0·07
17	14·45	12·22	19·24	–2·23	+0·07
18	12·46	10·22	17·42	–2·24	+0·08
19	10·54	8·62	15 60	–1·92	–0·24
20	9·58	7·33	14·46	–2·25	+0·09
21	9·30	7·19	14·19	–2·11	–0·05
22	9·58	7·33	14·51	–2·25	+0·09
23	11·09	9·20	16·07	–1·89	–0·27
			Mean.	–2·16	+4·83

A soft iron solid cylinder 9 inches long was made at the Mint, of the softest kind which Captain Turner, Mint Engineer, could procure. It was clamped into a copper collet, and the Magnet and bar were so adjusted that the upper end of the bar was in the same horizontal plane as the centre of the Magnet. The centres of the bar and the Magnet were 0.043 foot distant from one another. This bar was marked No. I.

One end has in it a small hole which is useful as a distinction between the two ends.

An attempt was made to determine the effects of the permanent Magnetism of the bar by unclamping the collet and reversing the bar. Then half the difference between the observations is the effect.

Time.	Mean of Readings of Induc. Magnet.		
	Induction bar.		
	being removed.	with hole end.	
		below.	above.
D. H. M.			
7·2·5	13·80		
$6\frac{1}{2}$	....	19·98	
10	14·17		
12	....	....	18·03
16	14·16		
$18\frac{1}{2}$	....	18 60	
21	14·15		
23	....	....	17·81
$30\frac{1}{2}$	14·14		
33	....	18·43	
Mean.	....	19·00	17·92

If these means are assumed to be the correct readings, then ·54 will be the correction for the permanent Magnetism of the bar. But the observations are too inconsistent to consider this as better than a rough approximation. In the registered observations the hole end was below, and therefore this correction may be subtracted from them in order to obtain the true result.

As the soft iron is very liable to rust, I considered that it would be expedient to compare the effects of a rusty and bright bar. On the last day of September the induction bar remaining rusty, another bar, which is marked No. II. and is exactly similar, and had been placed near the declinometer No. II., was carefully cleaned, and the result shewed that the rust has no effect within the errors of observation and of the instruments.

Hour.	Difference between the two Induction Magnetometers.					
	When both bars were rusty.			when one bar was rusty.		
	Sep. 28	Sep. 29	Sep. 30	Oct. 1	Oct. 2	Oct. 3
0	12′20	11′44	9′26	6′92	8′44	8′54
1	11·90	11·54	9·08	6·76	8·28	8·39
2	11.75	11·30	9·37	6·96	8·24	7·46
3	....	....	9·29	7 42	8·24	7·36
4	....	....	8·82	7·07	8·37	
5	....	....	9·25	7·25	8·09	
6	....	....	9·31	7·53	8·40	
7	....	....	9·40	6·86	8·28	
8	....	....	9·45	7·37	8·15	
9	....	....	9.45	8·36	8·01	

Hour.	Difference between the two Induction Magnetometers.					
	When both bars were rusty.			When one bar was rusty.		
	Sept. 28	Sept. 29	Sept. 30	Oct. 1	Oct. 2	Oct. 3
10	....	....	9·43	8·36	7·95	
11	....	....	9·42	8·87	8·25	
12	....	....	9·56	8.82	9·14	
13	....	....	9·09	9 06	8·45	
14	....	....	9·54	8·18	8.61	
15	....	....	9·23	8·87	9·01	
16	....	....	9·14	8·90	9·15	
17	....	....	9 ·52	9·10	8·30	
18	....	....	10·05	8·80	9·65	
19	....	....	9·50	8·99	8·99	
20	....	....	10·04	8·95	9 31	
21	....	....	....	8·82	9·47	
22	....	....	....	8·66	9·37	
23	....	....	....	8·84	8·67	

The inconsistency of the differences between the two instruments is evidently not owing to the rust. For there is a similar inconsistency throughout the observations of the six days. It is most probably caused by the cracks which gradually opened in the wooden pillars on which the instruments were supported.

The readings of the induction instrument are made as with a Declinometer, and the mean of three extremes taken by doubling the middle reading; this mean is reduced to arc, and from this arc reading the arc reading of the Small Declinometer No. 1. is subtracted, the difference is the quantity published as the amount of induction.

1846 Jan. 9^d. 10^h. A cobweb was detected.
20^h. and taken out.

March 1^d. Since the changes in the vertical force Magnetometer had proved the general character of the diurnal changes of Y; and since these changes had not been exhibited by the curves hitherto protracted from the induction observations, it seemed possible that they might be made sensible by a longer induction bar; but it did not seem worth while to persevere with the existing apparatus. Accordingly the bar was this day removed.

Capt. H. Turner, the Mint Engineer, caused a cylindrical bar 2 feet + ·01 inch long to be made of the softest iron there available. The diamater is .0603 foot, and at one end is a small hole .02 in diameter which hole was made use of to distinguish its end as the marked end.

In order to ascertain the effect of the large bar on the small instruments the following readings were taken:

	Small Horizontal Force Mag.	Small Declination Mag.	Small Declinometer.
The induction bar was inserted in its socket, and	35·09	95·40	26·96
In taking the bar out, the induction Magnetometer was shaken; and the bar being removed through the sun from the Observatory into the shade, readings were	35·01	95·41	12·08
The bar being replaced	34·98	95·43	23·37
The bar was again removed, and also exposed to the sun in being carried to shade at a distance from the Observatory; and	34·90	95·45	12·04
The bar being replaced	34·85	95·47	23·40
The bar was again removed, but in removal carefully protected from the sun; and	34·81	95·47	12·00
The bar being replaced.	34·79	95·50	23·35

Hence it was concluded that the effect of this long bar upon the small instruments is insensible.

Early in the month of April this bar was placed in a furnace, in which, after being well heated, it was allowed gradually to cool as the furnace died out. It was kept perpendicular to the Magnetic Meridian until May 7^d. when the marked end being found to be the south end, the bar was put up vertical with this south end in the Horizontal plane of the Magnet of the induction Magnetometer, and with its unmarked end below.

May 29^d. The bar was again removed and kept at right angles to the Magnetic Meridian until June 16^d. when it was used in deflecting C_{IV} in order to ascertain its Magnetism both in a vertical and in a Horizontal position.

June 22^{d}. 23^{h}. 10^{m}. The Magnet was removed from the induction Magnetometer and replaced by the brass weight.

22^{d}. 23^{h}. 20^{m}. The torsion being destroyed, the Magnet was replaced.

23^{d}. 00^{h}. 35^{m}. The reading was + 14.10. The induction bar was placed vertically with its marked end upwards for about a quarter of an hour; after which it was placed in its socket when the reading was nearly—8; and there the difference of deflection in the two positions was nearly 22.00 scale reading. Therefore the deflection caused by the Magnetism of the bar is about 11.00.

The bar was then used in Horizontal deflections.

Subsequently the bar was sent to the Mint, in order that the mechanical contrivances for its suspension might be improved, and also that it might be again turned. On its return—

July 10^{d}. its Magnetism was again tried by Horizontal deflections. The north end was marked with a cross.

July 13^{d}. The Horizontal deflections were again used to determine the Magnetism of the bar, which was then placed for observation.

July 18^{d}. 1^{h}. Bar used for Horizontal deflections.

24^{d}. From this time the readings of the large Declinometer were substracted from the observed angle to give the deflection caused by the induction bar.

July	24^{d}	23^{h}.	10^{m}.	Bar used for Horizontal deflections.
	31	23	38	
Aug.	8	00	23	
	14	23	10	
	22	....		
	29	23		
Sep.	5	..	..	
	13	23	15	
	19	..	..	
	26	..	..	
Oct.	3	12	30	
		12	45	The bar was Magnetized by double touch with the dipping Magnets; six touches being given to it, on four lines distant 90° from one another.
		12	50	Bar used for Horizontal deflections.
		14	50	
	4	22	45	
	5	04	24	
	6	03	30	

The bar was placed with its north end north behind the dipping stand by the eastern wall within the large Observatory.

Oct. 7^{d}. 00^{h}. 40^{m}. Horizontal deflections with the bar.

The The bar placed vertically with its north end upwards in the socket of the induction apparatus.

Oct. 8^{d}. 00^{h}
9^{d}. 00
10. 00
12. 00

Bar used for Horizontal deflections and replaced at the end of each observation in its socket with the north end upper most.

16. 03. 32. The bar used to deflect, and then touched as before; but the north poles of both converting Magnets were applied.

03^{h}. 50^{m}. The bar used to deflect, and then touched as before, but only three times.

04. 00 The bar used to deflect; and then left with its centre 3 feet distant from the centre of the deflected Magnet, and in an Horizontal plane, and perpendicular to the Magnetic meridian, until

13^{d}. 19^{h}... The bar was used to deflect after which it was placed in the socket. An alteration however was now made in the relative position of the bar and Magnet. For the arm, on which the socket was screwed, had been taken from the instrument and fixed to the stone pillar about 5 inches from the centre of the Magnetometer. The instrument also was then in such a position that the reading telescope, the suspension pin of the Magnets and the centre of the upper end of the induction bar were in the same Horizontal line. The final arrangements were

Oct. 19^{d}. 19^{h}. 30^{m}. the north end of the bar upper most, in the same plane with the Magnet;
the distance from the centre of the bar's north end to the centre of the Magnet = 0.355 foot;
the line joining these centres is perpendicular to the Magnetic Meridian.

The observations with Horizontal deflections, referred to above, are not sufficiently complete and decisive to publish; but they are deposited in the archives of the Royal Society. They seem however to shew, that,

1. The (so called) permanent Magnetism is continually changing and generally diminishing.
2. A part of the induced Magnetism becomes permanent.
3. Induction is not instantaneous.

THE INCLINATION

Was observed with a dipping needle made by Nairne and Blunt, and which was lent to us by Capt. Montriou, I. N. Its diameter is 9 inches and the vertical circle is divided to 15′. The dip circle does not stand upon a plane which requires levelling, but it is suspended above, and the weight of the apparatus brings the circle into a vertical plane. The extremities of the axis of the needles are cones which enter into rounded sockets; so that the bearing points may be simply two points, by which the friction is reduced to a quantity much less than the best worked axle on an agate plane. The sockets can be approximated by a slow motion; for they are hollowed out at the extremities of screws which work Horizontally in vertical pieces of brass fixed to the brass work of the circle. If the further parts of the sockets be more distant from one another than the length of the axis, then the conical ends will rest on the sides of the socket and the friction is considerable, but by approaching the sockets, the distance of their further points may be made equal to the length of the axis, and the axis is supported simply at its points and the friction will be almost insensible.

The observation is taken with north pole at the marked end, and with the face of the needle on the same side as the face of the dip circle, and with the face of the dip circle towards the east..................	in column a
The same, but with the face of the dip circle towards the west........	in column a′
With north pole at the marked end, and with the face of the needle on the contrary side to the face of the dip circle, and with the face of the dip circle towards the east..	in column a″
The same, but with the face of the dip circle towards the west.......	in column a‴

And the other columns denote similar relative positions of the needle when the north pole is at the unmarked end.

ABSOLUTE DETERMINATIONS OF HORIZONTAL FORCE

were all determined according to the method of Gauss. The Magnets used are

C 4, *a hollow cylinder, length* 0.3208, *outer diameter* 0.058, *inner diameter* 0.049.

C 25, *a hollow cylinder, length* 0.2627, *outer diameter* 0.058, *inner diameter* 0.019.

L. M. 3, *a bar magnet, length* 1.2500, *breadth* 0.0715, *thickness* 0.208, *weight* 6203.

A 51 *a solid cylinder, length* 0.2521, *diameter* 0.024.

The units made use of are the foot and the grain.

C 4 and C 25 were observed with the small declinometer No. II. If C 25 was suspended, then C 4 was used as a deflector; after which C 25 was taken out and C 4 was vibrated. The declinometer was placed at the place marked *d* in the ground plan of the large Observatory. South of it at the point *t* was a theodolite, which was levelled and adjusted to read off a scale which is cut on glass at the north end of the hollow cylinder magnet, and is viewed through a lens fixed in the south end of the cylinder. It is needless to explain the construction of the instrument, as it is the same as that of the Portable Declinometer described page 15 of Riddell's Magnetical Instructions.

L. M. 3 was used to deflect the Large Declinometer, and was vibrated in a building erected for the purpose. It was suspended in a box by a compound thread several feet long. But the results of the vibrations were highly unsatisfactory on account of spiders which made their way into the tube and entangled the thread.

A. 51 deflected the Magnet in the small Declination Magnetometer No. I, and was vibrated in the apparatus of the Small Declination Magnetometer No. III.

The vibrations are observed in the following manner: The time of an extreme vibration is noted, and ten vibrations are observed and the time noted. This time is added to itself, which will give the end of the twentieth vibration nearly, and the time of the extreme vibration nearest to this computed time is observed and noted. Thus the time of fifty vibrations is noted. The observed time of the fiftieth vibration is added to itself, which will give the end of the hundredth vibration nearly; and the time of the extreme vibration nearest to this computed, is observed and noted, as the true time of the hundredth vibration; in this manner the time of two hundred vibrations is observed, which divided by the number of vibrations, gives the time of one vibration. They are entered in a lithographed form as below.

Observation of Intensity. Bombay, 22nd December, 1845.

No. of Vibrations.	Vibrations of A. 51.							
	Time.	Difference.	Diff. of 50 Vib.	Small Hor. Force.		Torsion.		
				Mean.	Ther.	Read ⊙	Scale.	Difference.
	H. M. S.	s.						
0	4·14·27·6							
10	4·15·02·6	35·0						
20	4·15·37·6	35·0				0°	21·55	
30	4·16·12·6	35·0				90	22·85	1·30
40	4·16.47·5	34·9	M. S.	1·00	79·6	270	20·32	2·53
50	4·17·22·4	34·9	2·54·8			0	21·60	1·28
100	4·20·17·1		2·54·7				Sum	5·11
150	4·23·11·7		2·54·6					
200	4·26·06·3		2·54·6				Mean	1·28
			Time of one Vibrat. s 3 494			90°	in arc	8′
	Time corrected for rate of Chronometer....................		s 3·494			$\therefore \frac{H}{F} = 0·0015$		

The moment of inertia has been determined in the usual manner by suspending known weights at different distances, the Magnet whose moment of inertia is required being suspended in the same manner as when vibrated. If the times of vibration be unchecked by any causes, M being the magnetism of the Magnet, L its semi-length, X the earth's horizontal force, K the moment of inertia required, T the time of one vibration when no weight is suspended, T′ the time when weights p and p' are suspended on each side of the point of suspension at distances equal to r; then the equations are

$$\mathrm{L\ M\ X\ T}^2 = \pi^2\ \mathrm{K}$$

$$\mathrm{L\ M\ X}\ (\mathrm{T}')^2 = \pi^2\ \left(\mathrm{K} + \overline{p + p'\ r^2}\right)$$

$$\therefore\ \mathrm{K} = r^2\left(p + p'\right)\frac{(\mathrm{T})^2}{(\mathrm{T})^2 - (\mathrm{T})^2} = \frac{r^2(p + p')}{\left(\frac{\mathrm{T}'}{\mathrm{T}}\right)^2 - 1}$$

But the vibrations are affected by the angle of vibration, by the torsion force diminishing the angle of vibration, by temperature, and by the change of the horizontal force so that t and t' being the observed times of vibration

$$\mathrm{T}^2 = (1 + h)\left(1 + \frac{sin^2 a}{16}\right)^2$$

$$(\mathrm{T}')^2 = \left(1 + \frac{d\,\mathrm{X}}{\mathrm{X}}\right)\left(1 + h\right)\left(1 + \frac{sin^2\,a}{61}\right)\left(1 + \mathrm{q}\ d^\circ\right)\left(\ t'\ \right)^2$$

when h' and h, are the corrections for torsion, q is the co-efficient of temperature, and d° is the difference of temperature of the Magnet at the two observations.

$$\therefore\ \left(\frac{\mathrm{T}'}{\mathrm{T}}\right)^2 = \frac{1 + h'}{1 + h}\ \frac{1 + \frac{sin^2\ a'}{16}}{1 + \frac{sin^2\ a}{16}}\left(1 + \frac{d\,\mathrm{X}}{\mathrm{X}}\right)\left(1 + q\ d^\circ\right)\left(\frac{t'}{t}\right)^2$$

The moment of inertia of C 4 was determined by the following observations :

Date 1845.	Gottingen Mean Time	t	$1 + h$	t'	$t + h'$	$1 + \frac{dX}{X}$	$\frac{Sin^2\ a}{16}$	r	$2\,p$	K
		4·166	1·00108	6·363	1·00145	Correction very nearly nothing.	No Correction.	0·1675	832·54	17·5137
		4·237	1·00122	6·495	1·00140			0·1675	832.54	17·2986
		4·237	1·00122	5·447	1·00127			0·1675	405·48	17·4270
June 26	....	4·256	1·00104	6·508	1·00127			0·1675	832·54	17·4470
do.	....	4·256	1·00104	5·470	1·00109			0·1675	405·48	17·4500
June 28	....	4·255	1·00100	6·521	1·00117			0·1675	832·54	17·3131
do.	....	4·255	1·00100	5·479	1·00113			0·1675	405·48	17·2812
										Mean 17·3901

In like manner *the moment of inertia of C* 25

Date 1845.	Gottingen Mean Time	t	$1+h$	t'	$1+h'$	$1+\frac{dX}{X}$	$\frac{Sin^2\,a}{16}$	r	$2\,p$	K
		3·910	1·00128	6·402	1·00193	Correction very nearly nothing.	No Correction.	0·1366	832·54	9·2325
		3·910	1·00130	6·450	1·00186			0·1366	832·54	9·0174
		3·910	1·00130	5·270	1·00156			0·1366	405·48	9·2597
June 26	....	3·980	1·00130	6·512	1·00179			0·1366	832·54	9·2558
do.	....	3·980	1·00130	5·362	1·00150			0·1366	405 48	9·2788
June 28	....	3·977	1·00135	6·506	1·00185			0.1366	832·54	9·2615
do.	....	3·977	1·00135	5.359	1·00155			0·1366	405·48	9·2707
										Mean. 9·2598

And in like manner to determine *the moment of inertia of A*. 51, it was vibrated with and without weights in the small Declinometer No. III. Previous to this the old threads were taken out and new threads 8 in number put in, so that the compound thread might be sufficiently strong to support the Magnet with large weights attached. On vibrating the Magnet with large weights attached, it was found that the time of one vibration increased with the time elapsed between suspending and vibrating it.

6 December.	
Hour of day.	Time of one Vib.
H. M.	S.
0·47	8·58
1·00	8·63
1·17	8·71
1·22	8·98
1·33	9·08

As this seemed to be caused by the gradual lengthening of the thread by the two large weights, the Magnet was left with them attached to it until the following day, when no such change was observed. The following observations were then made :

Date 1845.	Göttingen Mean Time	t	$1+h$	t'	$1+h'$	$1+\frac{dX}{X}$	$\frac{Sin^2\,a}{16}$	r	$2\,p$	K
Dec. 6th	....	3·489	1·0015	6·864	1·0022	1.0005	0·00000	....	405·48	2·250
....	....	3·489	1·0015	6·853	1·0024	1·0001	0·00000	....	405·48	2·253
....	....	3·489	1·0015	9·148	1·0026	0·9999	0·00000	....	832·54	2·258
										Mean. 2·254

21st April. *The scale value of the Collimator Magnet C. 4* was determined by fixing it near the altitude and azimuth circle, and reading off upon the vertical circle as the wire of the telescope was brought to the divisions of the scale.

Reading of		Difference of		Value of one division.
Scale.	Micrometer.	Scale.	Microscopes.	
0	86°27′11″	3	70′25″	23′28″3
3	87·37·36	3	70·43	23·34·3
6	88·48·19	3	71·03	23·41·1
9	89·59·21			
9	89·59·19	3	71·30	23·50·0
6	88·47·49	3	70·36	23·32.0
3	87·37·13	3	70·36	23·32·0
0	81·25·37			

Reading of		Difference of		Value of one division.
Scale.	Micrometer.	Scale.	Microscopes.	
7	86°26′04″			
10	87·37·02	3	70′58″	23′39″3
13	88·47·29	3	70·27	23·29·0
16	89·57·17	3	70·22	23·27·3
16	89·57·45	3	70·29	23·29·6
13	88·47·16	3	70·51	23·37·0
10	87·36·25	3	71·10	23·43·3
7	86·25·15			

Hence each 100th of the scale is about 14″; and therefore since the scale cannot be read off accurately within 0·02, each of these observations may be considered as equally and sufficiently correct. But the divisions between 6 and 10 probably are cut by the maker rather larger than the rest, yet the difference is too small to be regarded; the mean of the whole therefore may be considered to be the true value. Therefore each division of the scale is

1415″ = 23′583 = 23′35·″

26th April. *The scale value of the Collimator Magnet C 25* was determined in like manner.

Readings of		Differences of		Value of one division.
Scale.	Micrometer.	Scale.	Mecrometer.	
0	87°39′30″	2	56′00″	28′00″
2	88·35·30	2	55·48	27·54
4	89·31·18	2	56·01	28·00
6	90·27·19	2	56·09	28·05
8	91·23·28			
8	91·49·33	2	55·34	27·47
10	90·53·59	2	56 02	28.01
12	89·57·57	2	56·11	28·05
14	89·01·46	2	55·54	27·57
16	88·05·52	2	56·14	28·07
14	89·02.06	2	56·01	28·01
12	89·58·07	2	56·02	28·01
10	90·54·09	2	55·42	27·51
8	81·49·51			

Hence the value of each division of the scale is

$$1679'\cdot1 = 27'\cdot984 = 27'50''\cdot1$$

or we may take 28′ which will be quite accurate for the whole length of the scale.

The Magnet at the position *d*, is unaffected by, and causes no disturbance on, the other magnets in the large Observatory.

DIURNAL METEOROLOGIC CHANGES.

THE BAROMETER

Is a standard by Newman No. 58. The tube externally is 0·78 inches in diameter. The cistern exposes the surface of the mercury contained in it entirely to view through glass. Through this may be seen a cone whose broad end is fixed to the rod which bears the scale at the upper end of the mercury in the tube. The scale can be elevated or depressed by means of an endless screw; and before observing the vertex of the cone is made to meet the vertex of its image reflected in the mercury of the cistern; the scale will then measure the column of mercury which balances the air. The under surfaces of a projection from the vernier, (which under surfaces are a circle in the plane of the zero of the vernier) are then made tangential to the upper surfaces of the mercury in the tube. And the height of the column is read off to two thousandths of an inch by the vernier.

The cistern of the barometer is about 3·3 inches in diameter.

A Thermometer divided to degrees is fixed in the instrument with its bulb in the mercury.

When the Barometer reads 30 inches, the height of that part of the tube which is supposed to be a vacuum is 3.5 inches.

The height of the surface of the cistern above the floor of the Observatory is 4 feet 6 inches, and therefore its height above the level of the floor of the tide house is 52 feet. It is fixed dy wooden brackets into the east wall of the magnetic Observatory.

Every observation is entered into the day book, together with the reading of the Thermometer; the former is then corrected for the latter by the table published by the Royal Society. The corrected reading is then entered into an abstract, and is published under the same form.

Jan. 22^d. 5^h. 30·078, att. therm. 78°9. An air bubble had been observed towards the bottom of the tube, and therefore a suspicion was raised that there might be air above the mercury. The Barometer was therefore taken down and inverted. No air was seen to rise. The Barometer was then replaced.

5^h. 30^m. 30.090 att. therm. 80°8
·003 = reduction to 78°9

·008 = reduction to 5^h. at this time.

∴ 30·079 = deduced height at 5^h.

but the difference of .001 is probably an error of observation, and therefore it was concluded that there was no air in the tube.

After reversal the bubble remained in the same position. It was subsequently watched during the year and was observed to be moving upwards very slowly.

June 5^d. Another barometer by Newman, marked 48 and of exactly the same dimensions and description as 58, was put up in the same place as 58.

The temperature of the air

was observed with a thermometer by Newman, with a bulb about 0·6 inch diameter and a brass scale divided to half degrees, each 10 degrees being 1·16 inch long. It is enclosed in a wooden case with glass front, and holes in the wooden sides near the bulb to immit the air.

Until the 15th April 1845, it was on the frame of the central window on the north; but as it was here exposed to radiation from the ground and also was affected by the wall, I removed it within to the meteorological stand.

In this position it is affected by radiation from the chunam floor, the walls, and ceilings. The ceiling is white, the walls of a light gray. When the windows are all open, it is free to the influence of the winds; and those to the east and west were seldom shut, except when the rain made it necessary to close the latter. The window to the east was never closed except the venetian, and that immediately to the north was also generally open. At night it was necessary to close most of the other doors on account of the lights to the magnetic instruments; and this together with the temperature from the light no doubt makes the recorded temperature of the night in excess of the truth. On the contrary, by day the temperature is probably unduly cooled; for the chunam, absorbing little or no heat, is always at a temperature less than the surrounding air; consequently the air over it is unduly cooled. The range is therefore no doubt less than the truth.

On account of these objections to its position on the meteorologic stand, four posts were erected 18 feet to the south of the S. W. angle of the large Observatory. They enclosed a square, each of the sides being 6 feet. Their height was 6 feet. They supported a bamboo roof thatched with date leaves. In the north-east corner within this hut was erected a post about 3 feet high, on which was nailed a horizontal board; the board was soaped; on it was fastened a pad of cotton, and over the cotton was a sheet of tin. Above the board was suspended a thermometer of Dr. Lloyd's construction, but with the iron-well taken off, so that the bulb was quite naked. The distance of the bulb to the surface of the tin was so short that no ray of heat, coming from the surface of the ground at a distance of eight or ten feet, could reach it; which arrangement was intended to cut off all sensible radiation from the ground. The date roof being a bad conductor was intended to cut off all radiation from the atmosphere. Thus it was hoped the bulb would be affected by no heat except that which entered the hut laterally.

Four of Lloyd's thermometers were compared with the standard.

Standard Thermometer.	Lloyd's Thermometers.							
	No. 1.		No. 2.		No. 3.		Ground Thermometer.	
	Reading.	Correction.	Reading.	Correction.	Reading.	Correction.	Reading.	Correction.
47°·8	47°·4	+00°·4	47°·4	+00°·4	47°·2	+00°·6		
54·5	54·1	+00·4	54·4	+00·1	54.3	+00·2		
58·8	58·8	+00·0	58·8	+00·0	58·3	+00·5		
62·7	62·0	+00·7	62·4	+00.3	62·1	+00·6		
69·5	69·0	+00·5	69·4	+00·1	68·8	+00·7		
69·5	69·0	+00·5	69·2	+00.3	68·6	+00·9		
73·7	73·4	+00·3	73·7	+00·0	73·3	+00·4		
73·8	73·2	+00·6	73·9	-00·1	73·3	+00·5		
75·2	75·3	-00·1	75·4	-00·2	74·3	+00·9		
76·5	76·3	+00·2	76·4	+00·2	75·8	+00·7		
76·7	76·5	+00·2	76·6	+00·1	76·6	+00·1		
76·8	75·9	+00·9	76·0	+00·8	75·2	+00·6		
78.1	78·2	-00·1	78·3	-00·2	77·8	+00·3	78°·8	-00°·7
82·5	82·3	+00·2	83·0	-00·5	81·6	+00·9	81·2	+01·3
83 5	....	....	84·2	+00·7	83·8	-00·3		
83·7	83·8	-00·1	....	....				
83·8	....	....	....	....	....	....	86·0	-02·2
86·5	....	....	....	....	....	....	87·7	-01·2
86·6	....	....	87·3	-00·7				
86·8	....	....	....	....	86·9	-00·1		
86·9	87·6	-00·7	....	....				
95·7	95·7	00·0	....	....				
95·8	....	....	....	....	....	....	95·9	-00·1
96·1	....	....	96·3	-00·2				
104·7	....	....	....	....	104·5	+00·2		
106·5	106·1	+00·4	....	....				
109·8	....	....	109·3	+00·5				

Since No. 2 agrees better than the others with the standard, it was hung in the hut. In order to determine the amount of heat radiated from the ground which was cut off the board, No. 1 also was hung up, on 16th Jan., at the same height in the hut as No. 2. but unprotected by the board. Jan. 18d, No. 3 was substituted for No. 1.; and the comparison was continued until Feb. 20d, when No. 2 was broken. The observations however had been continued quite long enough to prove that this precaution is quite essential in order to obtain the true temperature of the air, as will be seen by inspecting the table below.

No. 3 – No. 2.

DATE.		4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	0h	1h	2h	3h
Jan.	18	0.5	0.3	0.5	0.7	0.4	0.7	0.2	1.0	0.2	0.5	0.0	0.3	0.3	0.3	0.2	0.3	0.4	1.7	4.6	3.5	1.8	1.4	1.4	1.3
	19	0.6	0.4	0.3	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.4	1.1	0.2	0.3	0.3	0.2	1.8	2.2	5.2	4.1	1.2	1.0	0.7	0.9
	20	0.6	0.5	0.4	0.3	0.4	0.6	0.5	0.4	0.5	0.4	0.3	0·3	0.3	0.3	0.2	0.5	1.4	2.1	3.0	1.0	1.0	1.3	0.9	1.5
	21	0.3	0.3	0.3	0.3	0.4	0.5	0.7	0.2	0.4	0.2	0.2	0.5	0.3	0.3	0.3	0.4	1·3	2.3	2.5	2.6	1.0	1.4	1.0	1.6
	22	0.6	0.1	0.4	0.5	0.3	0.3	0.4	0.4	0.3	0.3	0.2	0.1	0.3	0.1	0.2	0.5	0.9	2.4	2.3	1.4	1.0	0.6	1.5	1.3
	23	0.6	0.5	0.2	0.3	0.4	0.5	0.3	0.7	0.5	0.1	0.3	0.1	0.2	0.3	0.3	0.4	0.9	1.	1.0	0.7	1.0	1.2	1.7	1.4
	25	0.3	0.4	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.4	0.4	0.0	0.2	0.2	0.1	0.2	0.3	0.9	1.4	1.6	0.5	1.7	1.3	1.3
	26	0.7	0.1	0.3	0.3	0.3	0.4	0.2	0.2	0.0	0.4	0.2	0.0	0.0	0.2	0.2	0.1	0.4	1.0	0.9	0.8	0.8	1.0	1.2	2.7
	27	0.6	0.3	0.2	0.3	0.3	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.5	0.0	0.0	0.3	0.6	2.2	1.1	1.0	1.1	0.9	1.1	2.0
	28	0.6	0.1	0.3	0.2	0.3	0.0	0.0	0.0	0.1	0.6	0.2	0.2	0.0	0.0	0.2	0.3	0.9	2.0	3.5	3.5	2.2	1.0	0.9	2.0
	29	0.5	0.4	0.3	0.3	0.2	0.3	0.3	0.4	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.2	0.3	0.8	1.7	3.0	1.0	1.3	1.1	0.9
	30	0.7	0.3	0.3	0.4	0.3	0.2	0.2	0.1	0.2	0.0	0.2	0.2	0.0	0.2	0.1	0.1	0.3	1.4	1.4	3.4	2.3	1.9	2.2	1.8
Feb.	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	0.0	0.6	1.5	1.6	1.4	2.6	2.5	1.4	1.0	1.4
	2	1.0	0.8	1.1	0.5	0.5	0.5	0.5	0.9	0.3	0.7	0.4	0·4	0.3	0.3	0.3	0.4	0.8	1.0	2.2	2.1	1.1	1.1	1.4	1.1
	3	0.3	0.6	0.3	0.4	0.5	0.6	0.5	0.3	0.5	0.5	0.1	0.4	0.3	0.4	0.3	0.7	0.9	0.2	2.0	2.0	1.5	1.8	1.5	1.0
	4	0.6	0.6	0.3	0.5	0.3	0.4	0.4	0.2	0.5	0.1	0.1	0.1	0.1	0.2	0·4	0.3	0.6	1.7	2.4	2.2	2.1	1.0	1.0	0.5
	5	....	0.6	0.3	0.5	0.5	0.6	0.4	0.2	0.0	0.5	0.3	0.2	0.0	0.4	0.0	-0.4	1.3	2.3	3.9	3.3	3.0	1.9	1.0	0.9
	6	0.5	0.7	0.5	0.5	0.4	0.6	0.6	0.5	-0.1	0.1	0.1	0.2	0.4	0.3	0.0	0.2	1.0	2.2	1.5	2.4	4.8	2.4	1.6	1.1
	8	0.6	0.7	0.4	0.5	0.5	0.5	0.3	0.2	0.1	0.3	0.3	-0.1	0.3	0.2	0.3	0.3	0.8	1.4	1.7	1.8	1.4	1.7	1.1	0.9
	9	0.5	0.5	0.4	0.3	0.3	0.4	0.3	0.5	0.2	0.2	0.4	0.5	0.1	0.0	0.3	0.7	0.6	0.5	2.3	3.0	2.9	2.2	1.4	1.1
	10	0.6	0.6	0.5	0.4	0.3	0.4	0.2	0.3	0.1	0.2	0.5	0.5	0.0	0.2	0.2	0.5	0.8	2.0	2.1	2.4	2.3	1.6	1.3	0.6
	11	0.5	0.6	0.5	0.4	0.6	0.1	0.3	0.5	0.3	0.2	0.3	0.2	0.3	0.4	0.3	0.6	1.7	2.5	2.5	4.1	1.8	1.6	1.1	0.9
	12	0.4	0.5	0.3	0.2	0.2	0.2	0.3	0.2	0.1	0.2	0.2	0.0	0.1	0.0	0.3	0.7	1.1	1.9	2.2	2.6	1.4	1.0	1.0	0.7
	13	0.4	0.8	0.2	0.3	0.2	0.2	0.0	0.3	0.2	0.3	0.2	0.1	0.3	0.3	0.4	0.5	0.7	3.0	2.9	2.8	1.7	1.6	1.2	0.9
	15	0.5	0.5	0.5	0.3	0.4	0.2	0.2	0.5	0.2	0.4	0.5	0.3	0.1	0.5	0.2	0.5	1.0	2.0	1.9	2.8	3.4	1.9	1.4	1.0
	16	0.7	0.5	0.4	0.4	0.5	0.7	0.5	0.3	0.3	0.4	0.4	0.3	0.3	0.4	0.5	0.6	1.4	2.4	2.8	3.6	2.1	2.5	3.1	2.6
	17	1.0	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.7	1.5	2.2	2.8	2.2	2.5	1.8	1.8	1.3
	18	0.9	0.5	0.2	0.5	0.4	0.4	0.6	0.1	0.1	0.4	0.4	0.2	0.4	0.3	0.4	0.5	1.0	2.2	1.6	1.5	1.3	1.0	1.5	1.1
	19	0.4	0.5	0.4	0.3	0.5	0.3	0.6	0.2	0.5	0.6	0.2	0.4	0.3	0.3	0.4	0.4	0.5	1.6	1.5	2.1	0.8	1.0	1.6	1.0

In all these observations there are only five instances in which No. 2. > No. 3. They have not been corrected for differences of temperature ; because the comparisons of No. 2 and No. 3 seemed to prove that the variations in the bore of the tube are so variable that no certain conclusion could be made. However No. 3 always read less than No 2 ; and therefore all the values of the above table are too small ; and this cacounts for the three minus readings. The general conclusion from the table is, that between 4h. and 19h. Bombay meantime something less than 1° was the correction for radiation ; and that during the day the amount was very variable, seldom less than 1° and sometimes exceeding 5.° This large difference is no doubt smaller than that which must be allowed in most parts of the year ; for that in which the comparison was made, is comparatively a cool month. And it is also smaller than must be allowed in some spots, for the ground about was partially covered with low shrubs.

One other precaution had been overlooked. No. 2 was carefully protected from the sun's rays by mats which were so adjusted from time to time by the observer that they did not obstruct the full influence of the wind on the bulb : yet it was not protected from radiation from the south wall of the Observatory. In order to correct this, a mat stuffed with cotton was hung up between the Thermometer and the wall after Feb. 2d. 19h. G. M. T.

From this time to March 19h. the standard Thermometer remained in the meteorologic stand, and the air Thermometer in the hut ; the following tables give the result of the comparison.

Reading of Standard—Reading of Air Thermometer.

	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
Feb. 3D.	+0·6	+1·5	+1·8	+1·7	+2·0	+3·1	+4·0	+5·4	+5·6	+5·2	+5·5	+4·0
4	+1.1	+1·4	+1·6	+1·4	+1·8	+2·1	+2·9	+3·4	+3·9	+4·7	+4·1	+5·0
5	....	+2·1	+1·8	+1·5	+1·4	+1·6	+4·6	+4·5	+4·8	+3·5	–0·1	+1·4
6	+1·0	+1·2	+2·6	+1·8	+1·7	+4·1	+2·9	+4·2	+1·7	+2·7	+2·0	+1·6
8	+0·5	+1·9	+1.8	+1·7	+1·5	+2·2	+2·0	+2·1	+1·5	+2·1	+1·8	+3·6
9	+1·2	+2·2	+2·1	+1·7	+1·5	+1·7	+2·8	+2·9	+2·1	+2·1	+5·1	+3·6
10	+1·3	+2·1	+2·5	+2·4	+2·2	+2·4	+2.6	+3·1	+4·3	+2·5	+2·7	+2·3
11	+2·2	+2·3	+2·7	+2·3	+3·1	+2·9	+2·4	+2·4	+2·3	+2·0	+2·6	+1·9
12	+1·5	+2·0	+2·5	+2·1	+2·1	+2·3	+3·9	+4·6	+4·3	+3·9	+3·9	+3·4
13	+1·1	+1·7	+2·1	+2·3	+1·8	+2·1	+2·5	+4·8	+5·7	+5·9	+5·1	+3·6
15	+1·3	+1·8	+2·5	+2·2	+1·8	+2·0	+3·2	+5·5	+5·9	+4·7	+6·0	+3·8
16	+2.5	+2·5	+2·4	+1·3	+2·0	+3·1	+4·9	+2·9	+2·5	+1·8	+1·2	+1·9
17	+2·9	+2·7	+3·0	+2·6	+2·2	+2·2	+2·0	+2·1	+3·8	+2·8	+2·7	+2·8
18	+1·8	+1·9	+2·2	–0·3	+0·3	+0·7	+3·7	+1·2	+1·2	+1·7	+2·2	+1·9
19	+1.6	+2·0	+2·2	+1·5	+2·0	+2·7	+4·7	+4·4	+4·4	+4·3	+1·4	+1·4
20	+0·2	+1·3	+1·6	+2·2	+2·1	+3·3	+1·4	+3·0	+3·8	+3·3	+3·2	+3·4
22	+2·3	+2·5	+2·7	+2·5	+2·4	+2·7	+4·3	+6·2	+6·1	+5·7	+4·7	+5·7
23	+2·8	+2·1	+2·3	+1·7	+1·8	+1·8	+2·3	+2·4	+2·8	+3·2	+3·1	+4·2
24	+1·5	+1.3	+2·1	+2·0	+2·1	+2·0	+1·8	+1·8	+2·4	+2·8	+4·0	+4·8
25	+1·3	+1·9	+2·7	+2·8	+2·6	+2·1	+2·1	+2·4	+3·4	+4·4	+3·0	+2·0
26	+2·1	+2·2	+2·9	+2·7	+2·7	+2·4	+2·1	+2·3	+2·6	+2·7	+2·2	+3·0
27	+1·3	+2·1	+2.1	+2·0	+2·0	+2·5	+2·0	+1·9	+2·2	+1·4	+3·2	....
28	....	....	....	....	....	....	....	....	....	....	....	+3·2
March 2	+0·5	+2·1	+2·1	+1·6	+1·5	+2·0	+1·8	+2·8	+2·9	+3·0	+3.2	+3·7
3	+1·6	+1·0	+1·3	+0·8	+1·0	+1·5	+2·4	+1·7	+3·6	+1·3	+1·3	+1·6
4	+1·4	+1·8	+2.0	+1·7	+1·9	+2·2	+2·8	+4·9	+4·7	+5·3	+3·7	+4·2
5	+1·6	+2·0	+2·0	+1·4	+1·2	+1·4	+2.0	+2·5	+2·8	+4·1	+4·1	+3·6
6	+1·1	+0·6	+1·3	+0·8	+1·2	+1·7	+1·7	+1·6	+1·2	+1·9	+1·7	+1·6
8	+1·5	+1·0	+1·5	+1·1	+1·1	+3·1	+4·1	+4·3	+2·6	+2·1	+1·7	+2·4
9	+1·3	+1·2	+1·7	+1·7	+2·1	+2·8	+1·6	+2·3	+2·7	+4·7	+4·2	+3·7
10	+1·7	+1·5	+2·4	+2·1	+2·0	+3·1	+2·9	+3·8	+2·2	+1·7	+1·9	+3·1
11	+1·7	+1·5	+1·6	+2·0	+1·9	+2·0	+1·9	+2·0	+2·0	+2·2	+2·2	+3·2
12	+1·9	+1·9	+2·5	+2·2	+1·8	+1·9	+2·0	+3·5	+5·2	+4·0	+3·6	+3·8
13	+1·6	+2·2	+2·3	+2·2	+2·4	+1·8	+1·5	+1·5	+1·6	+1·7	+1·6	+1·8
15	+1·1	+2·0	+2·1	+2·3	+1·4	+2·3	+3·5	+2·5	+2·7	+2·1	+1·2	+2·3
16	+1·8	+1·4	+2·0	+1·8	+2·0	+2·3	+2.0	+1·0	+3·7	+3·4	+4·9	+2·4
17	+1·2	+2·3	+2·2	+2·2	+2·4	+3·5	+7·0	+4·3	+2·2	+1·9	+2·9	+2·2
18	+1·7	+1·9	+2·3	+2·3	+2·3	+4·4	+2·5	+4·0	+3·3	+2·7	+2·5	....
19	....	....	....	....	....	....	....	....	....	....	....	+2·1

Reading of Standard—Reading of Air Thermometer.

	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
Feb. 3D.	+6·3	+3·8	+5·1	+4·8	+1·7	-2·1	-1·7	-1·5	-0·2	-0·4	-0·4	+0·1
4	+5·4	+5·6	+4·6	+5·3	-1·8	-2·4	-3·4	-0·3	-2·0	-0·4	+0·8	+1·1
5	+1·5	+2·5	+5·0	+5·2	-1·2	-3·5	-3·2	-4·9	-5·3	-2·3	-0·6	-0·3
6	+5·1	+3·5	+3·2	+0·9	-1·0	-2·5	-4·3	-6·4	-8·9	-0·4	-0·5	-1·2
8	+3·7	+2·3	+2·4	+2·8	+0·4	-1·2	-0·5	-0·3	+0·5	0·0	+0·6	+0·6
9	+4·2	+5·2	+5·0	+2·7	+0·6	-1·5	-3·2	-1·4	+1·0	-0·3	-0·1	+0·5
10	+2·6	+4·1	+2·9	+3·1	+1·8	0·0	-0·5	-0·4	0·0	0·0	+2·2	+1·4
11	+1·8	+4·2	+3·3	+3·4	-1·1	+2·1	-3·3	-2·5	+1·6	+1·2	+1·4	+2·7
12	+3·5	+4·0	+4·2	+2·8	-0·6	-1·4	-3·9	-1·5	-0·4	-0·8	+0·7	+1·0
13	+3·9	+4·8	+3·1	+1·8	-0·8	-0·5	-4·3	-4·9	-0·2	+1·1	+0·1	+0·7
15	+3·0	+3·9	+3·6	+3·3	+0·2	-1·0	-2·7	-5·6	-8·3	-9·3	-5·6	+0·4
16	+2·2	+2·4	+2·5	+0·3	-4·8	-1·5	-3·2	-5·8	-5·6	-6·5	-5·0	-1·2
17	+2·5	+2·5	+2·9	+2·5	-2·1	-3·6	-6·4	-8·8	-1·2	-0·6	+0·9	+0·8
18	+1·8	+3·5	+1·7	+0·7	-2·4	-4·7	-2·5	-4·1	-0·9	+0·3	+1·2	+2·4
19	+1·3	+3·0	+2·0	+2·5	+1·0	-1·1	-0·6	-0·1	-1·6	-0·1	-1·1	-0·6
20	+2·6	+5·3	+3·3	+2·5	+0·3	-1·2	-0·2	-1·2	-0·6	+0·3	+0·9	+1·2
22	+3·9	+4·7	+4·8	+2·4	-0.2	-1·6	-0·9	+2·2	+0·9	+0·4	+0·9	+1·7
23	+4·9	+4·1	+3·6	+2·0	-0·8	-1·4	-2,9	-1.9	+1·1	-1·0	0·0	+1·1
24	+3·0	+4·5	+3·1	+2·2	-0·5	-1·3	-1·7	-2·4	-0·6	+0·5	-0·6	+1·0
25	+1·7	+3·1	+3.0	+2·5	-1·0	-1·7	-4·1	-3·3	-1·1	-0·6	+0·8	+1·8
26	+3·8	+2·9	+3·3	-1·0	-1·5	-1·8	-1·6	-3·9	-1·2	0·0	+0·5	+0·5
27	....	....	....	....	....	....	....	....	....	....	....	....
28	+3·7	+3·4	+3·5	+2·3	+0·7	-2·2	-4·0	-4.5	-2·4	+0·7	+0·7	+0·6
March 2	+3·4	+3·0	+3·0	+2·3	+0·7	-2·5	-2·5	+0·1	-1·1	-1·1	+0·7	+1·3
3	+1·5	+1·5	+1·7	+2.2	+0.5	+0·7	-0·3	-0·1	+0·4	-1·7	+0·1	+1·2
4	+3·4	+2·5	+4·2	+1·8	+0·4	-0·9	-0·9	+0·1	+0·9	+0.2	+1·0	+0·7
5	+3·6	+3·7	+3·9	+0·8	-0·5	-0·7	+0·2	-0·7	-0·1	-0·6	-0·2	+0·8
6	+1.5	+1·9	+2·4	+1·5	-0·4	-1·8	-1·6	-1·7	-2·6	-0·7	-0·7	-0·3
8	+2.9	+4·3	+3·0	+0·4	-2·4	-2·1	-1·8	-1·9	+0·3	-1·3	-0·6	+1·4
9	+3·6	+3·1	+3·0	+1·2	-3·1	-3·9	-0·5	-0·5	+1·1	0·0	+1·2	+1·9
10	+2·8	+3·3	+3·8	+1·2	-1·3	-4·3	-6·1	-1·3	-1·1	0·0	+0·6	+0·7
11	+2·8	+2·8	+1·7	+1·5	+1·5	-2·6	-0·0	-0·2	-2·1	-0·7	+1·3	+0·1
12	+3·8	+3·0	+3·0	+1·0	-1·4	-0·7	-0·5	+0·1	-1·5	+1·6	+1·3	+1·2
13	+2·2	+1·5	+1·3	+0·6	0·0	-0·6	-0·5	-1·0	+0·7	-0·1	+0·4	+1·1
15	+2·2	+2·5	+3·1	+1·9	-0·8	-1·6	-5·0	-5·6	-2·9	-1·8	0·0	+1·8
16	+2·4	+1·9	+4·0	+2·5	-1·6	0·0	-0·4	-0·6	+0·4	-0·4	+0·3	+0·7
17	+4·3	+4·6	+4·0	+1·0	-1·0	-0·1	-0·7	-0·3	-0·4	-0·7	0·0	+0·8
18	....	....	....	....	....	....	....	....	....	....	....	....
19	+2·3	+3·9	+3·1	+0·8	-0·8	....	....	....	....	....	....	....

These differences result chiefly from the Observatory being shut and opened, partly to prevent vibrations in the instruments, and partly for the necessary comfort of the observers. The latter appears to be the principal cause. For at night the standard was always too high, and by day too low; which is caused by more doors being closed at night than by day. The excess early in the morning is probably owing to the sun heating the eastern wall. The changes of wind have also affected these results.

Since the standard had been hung previously to the 15th April 1845 to a window frame on the north wall; it was replaced exactly in the same position on the 19th March 1846, and the following are the results:

Reading of Standard—Reading of Air Thermometer.

G. M. T.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
Mar. 19D.	....	...	....	....	...	....	....	....	....	....	....	....
20	+4·6	+5·3	+2·8	+0·8	+0·3	-2·3	-0·6	-0·1	-0·7	-0·4	+0·9	-0·3
22	+3·4	+2·6	+1·0	-0·5	-0.2	-1·1	-0·5	-0·3	-0·7	+0·7	-0·1	-0·8
23	+2·6	+3·0	+1·3	-0·1	-0·8	-0·4	-0·4	-1·6	-0·5	-2·0	-1·6	-0·5
24	+4·5	+5·1	+3·7	+2·1	+1·4	+1·2	+1·2	+0·7	+0·7	+0·8	+0·7	0·0
25	+4·7	+4·8	+2·9	+1·6	+1·3	+1·3	+1·0	+0·7	+0·8	+0·9	+0·6	-2·3
26	+5·9	+5·6	+3·7	+2·2	+1·7	+0·9	+1·2	+0·7	+0·7	+0·6	+1·3	+0·1
27	+6·6	+6·0	+3·2	+1·3	+0·8	+0·8	+0·9	+0·1	-0·1	-0·1	0·0	-0·2
29	+2·1	+4·0	+1·7	-0·3	-0·6	-0·3	-0·3	-0·5	-1·5	-1·5	-1·3	-0·2
30	+3·3	+3·2	+1·3	0·0	+0·3	+0·5	0·0	-0·4	-0·5	-2·3	-1·8	-0·5
31	+5·2	+5·3	+3·1	+0·9	+1·2	+1·0	+0·6	+0·1	0·0	0·0	-0·2	-0·2
April 1	+6·5	+6·8	+4·0	+1·8	+1·4	+0·7	+0·4	+0·1	+1·1	+1·2	-0·1	-0·5
2	+5·9	+5·5	+3·0	+1·0	+0·3	0·0	-0·2	-0·4	-0·4	-0·4	-0·3	-0·1
3	+7·7	+6·2	+4·3	+2·0	+1·2	+0·5	+0·2	-0·1	-0·1	-0·2	-0·5	-0·7
5	+1·8	+3·7	+1·8	+0·3	0·0	+0·1	0·0	-0·6	-0·2	-0·2	-0·3	+0·7
6	+5·1	+4·9	+2·5	+0·8	+0·4	+0·2	0·0	+0·1	+0·2	0·0	0·0	-0·3
7	+5·3	+5·4	+3·1	+0·9	+0·8	+0·5	+0·6	+0·6	+0·3	+0·1	0·0	-0·3
8	+6·7	+5·5	+6·3	+2·0	+1·2	+0·8	+0·5	+0·5	0·0	0·0	-0·2	+0·5
9	+5·9	+5·9	+3·0	+1·2	+0·7	+0·6	+0·3	-0·5	-0·2	-0·1	-0·2	-0·2
10	+6·4	+6·0	+3·0	+1·1	+0·6	+0·5	+0·3	+0·2	0·0	0·0	-0·1	+0·7
12	+5·0	+4·4	+2·4	+1·0	+0·4	+0·4	+0·0	0·0	+0·3	0·0	0·0	+0·6
13	+4·3	+3·7	+1·6	0·0	+0·1	+0.1	+0·7	+0·3	+0·1	0·0	+0·3	-0·1
14	+4·0	+3·8	+1·9	+0·6	+0·1	-0·1	+0·1	-0·2	-0.8	-0·2	-0·7	-0·5
15	+4·6	+3·5	+2·2	0·0	+0·5	+0·5	+0.1	+0·5	0·0	+0·2	-0·5	+0·3
16	+6·1	+7·5	+4·6	+2·4	+1·6	+1·4	+0·5	+1·0	+0·5	+0·4	+0·3	+0·1
17	+6·7	+8·0	+4·8	+2·6	+1·9	+1·6	+1·7	+0·9	+0·8	+0·4	+0·2	0·0
19	+4·5	+4·8	+3·5	+1·0	0·0	0·0	-0·3	-0·9	-0·8	-0·9	-0·8	-0·4
20	+5·0	+4·9	+3·0	+0·6	+0·2	+0·1	-0·5	+0·2	+0·1	+0·4	-0·9	-0·5
21	+5·2	+4·6	+2·0	-0·1	-0·3	+0·2	+0·5	+0·5	+0·3	+0·6	+0·5	+0·4
22	+3·9	+5·7	+1·8	0·0	-0·6	-0·6	-0·6	-0·9	-0·9	-1·6	+0·2	....
23	....	....	....	....	....	....	....	....	....	....	....	+0·3
24	+10·1	+7·5	+5·2	+3·5	+2·1	+2·1	+1·3	+1·7	+1·9	+1·3	+2·1	+0.6
26	+4·7	+6·7	+6·2	+2·8	+1·5	+0·5	-0·5	0·0	-0·2	-1·1	-1·4	-2·2
27	+6·2	+4·8	+3·8	+1·7	+1·2	+1·2	+2·4	+0·1	0·0	-0·1	+0·3	+1·1
28	+4·3	+3·7	+1·8	-0·1	-1·0	-1·0	+0·5	+0·6	+0·5	-0·6	-0·9	+0·1
29	+5·9	+5·0	+3·5	+1·8	+1·3	+1·3	+1·5	+0·6	+2·2	+1·8	+1·9	+1·0
30	+7·3	+6·7	+4·5	+2·6	+2·0	+1·6	+1·3	+1·3	+1·4	+1·7	+1·0	+0.6
May 1	+7·1	+5·8	+3·7	+1·6	+1·3	+1·1	+1·0	+0·5	+0·0	+0·3	+0·8	-0·1
3	+6·6	+6·4	+5·4	+2·6	+1·6	+1·4	+0·9	+1·0	+2·3	+1·0	+2·1	+0·9
4	+8·3	+7·1	+5·1	+2·5	+2·1	+1·7	+1·4	+1·3	+0·7	+1·0	+0·8	+0·3
5	+5·8	+5·3	+3·7	+1·5	+1·1	+0·6	+0·5	+0·3	+0·2	-0·1	0·0	-0·1
6	+8·4	+7·6	+5·3	+2·6	+1·7	+1·6	+1·1	+1·1	+1·0	+1·0	+1·0	+0·6
7	+6·8	+4·6	+2·6	+1·0	+0·7	+0·5	+0·5	0·0	0·0	-0·1	-0·3	-0·2
8	+5·4	+5·4	+3·1	+1·4	+0·6	+0·3	+0·1	+0·2	0·0	+0·2	0·0	+0·5
10	+6·6	+5·3	+3·7	+1·8	+1·3	+1·5	+1·0	+0·8	+0·4	+0·8	+1·1	+0·7

Reading of Standard—Reading of Air Thermometer.

G· M. T.	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
Mar. 19D.	....	....	....	....	....	-2·3	-0·8	+1·8	+3·6	+4·6	+2·6	+4·2
20	+0·4	0·0	+0·3	0·0	+0·8	+0·8	+1·1	+1·4	+2·2	+4·7	+2·0	+4·0
22	-1·1	-1·4	+0·3	+0·1	-0·9	-2·1	-1·4	+1.4	+2·2	+2·0	+2·0	+1·1
23	-0·8	-0·2	+0·1	-2·6	-2·4	-0·5	+0·2	+3·0	+0·0	+4·1	+2·2	+4·1
24	+0·7	-0·1	+1·2	0·0	+0·4	-0·5	-0·9	+2·2	+2·2	+2·7	+2·8	+4·4
25	+0·8	+0·2	+0·3	-0·1	+0·1	-0·5	+1·0	+2·0	+2·3	+3·5	+3·8	+4·0
26	0·0	+0·5	+0·2	-0·5	+1·2	+2·0	+2·3	+3·2	+3·9	+2·9	+4·2	+1·6
27	+0·8	+0·8	+0·5	-1·3	+1·3	+1·2	+3·2	+2·2	+0·7	+1·5	+1·3	+0·9
29	-0·4	-0·3	+0·9	-0·2	+0·1	+0·2	+0·8	+1·9	+2·8	+2·4	+2·9	+2·8
30	-1·0	+0·6	+0·1	+0·3	+0·1	+0·9	+1·0	+0·1	+1·0	+4·6	+2·3	+2·8
31	-0·2	-0·5	-0·4	+1·0	+1·7	+2·5	+2·6	+2·5	+1·3	+4·7	+4·1	+4·9
April 1	+0·4	+0·2	+0·5	-0·3	+1·3	+4·2	+2·7	+3·0	+4·2	+4·3	+4·5	+5·1
2	-0·1	-0·1	-0·6	+0·1	+1·0	+0·1	+3·3	+4·2	+2·8	+5·2	+5·2	+6·7
3	-0·9	+1·3	+0·6	+0·9	0·0	+5·4	+4·7	+4·8	+2·2	+2·9	+3·1	+3·8
5	+0·4	-0.2	-0·2	+0·2	+1·6	+2·3	+3·7	+2·8	+5·4	+2·4	+4·0	+3·8
6	+0·9	+0·2	+0·4	+0·8	-0·6	-2·0	+1·7	+2·1	+1·6	+4·3	+3·9	+1·3
7	-0·2	-0·6	+0·1	+1.6	+0·7	+1·0	+4·0	+3·2	+2·9	+3·8	+4·3	+5·2
8	+0·2	+0·9	+0·5	+0·5	+2·8	+4·7	+4·6	+3·5	+3·1	+3·9	+5·5	+5·2
9	-0·4	+1·0	-0·8	+1·5	+2·2	+1·7	+3·9	+4·5	+4·4	+3·8	+6·2	+7·1
10	+0·8	+0·6	+0·6	+1·2	+2·3	+3·4	+3·8	+3·8	+3·7	+3·8	+4·2	+4·1
12	+0·8	+0·4	+0·4	+2·7	+2·7	+3·0	+3·0	+4·2	+4·3	+3·2	+3·4	+3·1
13	+0·3	-0·2	-0·1	+0·3	+2·7	+4·3	+5·9	+4·0	+4·5	+3·9	+3·9	+4·1
14	-0·4	+0·7	+0·5	+3·9	+3·3	+3·5	+3·9	+3·7	+4·0	+4·1	+3·2	+4·5
15	+0·3	-0·3	-0·1	+1·3	-0·7	+1·5	+3·1	+4·0	+4·4	+4·6	+5·1	+6·1
16	-0 1	-0·3	-0·6	-0·5	+2·0	+2·9	+3·2	+3·7	+3·9	+5·9	+5·4	+6·1
17	+0·9	+0·8	+0·6	+0·5	+3·8	+2·8	+3·3	+4·1	+2·5	+3·2	+3·5	+4·7
19	-0·3	+2·1	+0·6	-0·6	+0·3	+0·3	+3·6	+4·4	+5·0	+2·2	+4·3	+4·0
20	+0·3	0·0	-0·4	+0.1	+0·2	+0·8	-0·2	+4·2	+4·5	+4·8	+4·6	+5·4
21	+0·2	+0·4	-0·2	+0·7	+1·0	+3·4	+4·1	+3·2	+4·6	+3·4	+3·8	+4·6
22	....	....	....	....	....	....	....	....	....	....	....	....
23	+0·2	+0·1	+0·1	+1·6	+1·7	+0·7	+2·2	+6·1	+6·3	+6·3	+8·3	+10·3
24	+1·2	+0·7	+0·4	-0·9	+0·7	+5·0	+3·5	+4·7	+4·3	+4·3	+6·0	+5·6
26	-1·2	-0·7	-0·7	-0·1	-1·0	+0·6	+4·5	+4·2	+5·7	+5·7	+5·1	+4·7
27	+0·2	+0·6	-0·2	-1·4	+1·0	+1·3	+4·8	+6·0	+5·5	+3 5	+5·0	+3·5
28	+0·4	0·0	-0·4	-0·2	+3·3	+3·7	+4·0	+5·0	+5·3	+3·9	+5·2	+5·1
29	+0·2	0·0	-0·8	-0·7	+3·0	+4·5	+5·3	+5·8	+5·8	+6·8	+6·2	+7·5
30	+0.8	+0·2	-0·4	-0·2	+3·2	+6·6	+7·2	+5·5	+5·8	+6·0	+6·6	+7·7
May 1	+0·1	-0 3	-0·7	-0·2	+2·1	+3 0	+5·0	+6·2	+6·8	+6·3	+6·8	+8·0
3	+0·1	0·0	0·0	-0·6	+2·0	+6·5	+5·5	+6·1	+7·0	+6·8	+6·8	+7·4
4	+0·0	+1·0	+0·3	+1·0	+1·2	+7·0	+6·5	+7·2	+3·4	+5·5	+6·5	+6·3
5	-0·5	+0·5	+0·4	+1·1	-0·1	+5·3	+6·0	+6·5	+6·3	+7·0	+6·5	+7·5
6	+0·5	+1·0	+1 3	+0·7	+3·8	+4·2	+7·1	+5·1	+3·9	+4.5	+1·8	+5·1
7	+0·9	+0·2	+0·2	0·0	+1·9	+4·4	+6·8	+8·8	+5·0	+6·4	+7·2	+7·2
8	+1·6	+0·7	+2·4	+0·5	+5·5	+10·5	+8·6	+7·8	+7·2	+7·2	+8·7	+10·5
10	+1·2	+0 5	+0·9	+0 0	+3·0	+9·8	+8·2	+6·5	+6·3	+6·3	+3 7	+5·6

TEMPERATURE OF THE STRATUM OF AIR IN CONTACT WITH THE GROUND

was observed with a *thermometer lying horizontal on the ground*, by Newman, with a wooden scale divided to two degrees, with a bulb 0.45 inches in diameter, and with a naked bulb. The length of 10 degrees is 0 27.

From the 16th April to the 4th May 1845, it was placed in a garden border, surrounded by an Euphorbia hedge about a foot high, and containing a few plants of Poinciana Pulcherrima. It was during this time exposed to the radiation of the Sun, and also to that from the south wall of the Observatory.

After the 4th May it was placed under a narrow box, the sides of which were removable, the sides and every part of the box being painted black within. The height of the box was about six inches. The side on the sunny side of the box was always put up, but so loosely that the air would easily pass below it, whilst that on the other side was removed.

It is presumed that the blackened sides would absorb all the rays from the ground and pass most of them through the box into the air, and that the wooden outside would not conduct much heat from the sun without to the interior of the box, if any.

Some degree of inaccuracy must however have resulted from this not being the case. And the Euphorbia hedge must have hindered the surrounding air from free access, and the stratum of air within the border could not be of exactly the same temperature as such a stratum when all such impediments had been removed.

Jan. 15^d. 1^h. Comparison made with the standard

Standard.	Ground.
114°.2	114°.6
80·0	80·0

19^d. 0^h. 91° 0; but when placed upright it fell to 81°.

Mar. 20^d. 15^h. The instrument was in the sun for a short time.

May. 26^d. 1^h. The thermometer used in the astronomical Observatory was substituted.

Nov. 11^d. 15^h. The instrument was in the sun.

TEMPERATURE OF THE GROUND

was observed with a Lloyd's Thermometer by Newman. Its bulb is about 0·67 inches long and 0·40 inches horizontal diameter. Its scale is of brass and divided to half degrees. Each 10 degrees is 1·45 inches long. The bulb is plunged in an iron well.

It was placed in the same situation as the thermometer on the ground, the bulb being six inches below the surface.

MOISTURE

was observed with a wet bulb thermometer. Two thermometers are fixed on the same stand, their bulbs being naked. The diameter of each bulb is 0.5 inch. The scale is of brass, divided to degrees, 10 degrees being 0·4 inch in length. The interval between the centres of the bulbs is 1.2 inch. One bulb is naked, the other is covered with muslin, which is always kept moist by the capillary action of threads, which dip into the mouth of an inverted tube filled with water.

The wet bulb was placed on the same meteorologic stand with the standard thermometer. The readings of both thermometers were taken. But it was observed that the dry bulb always stood somewhat below, and sometimes as much as 2° below, the standard. I therefore compared the three thermometers together by immersing the bulbs in the same vessel and altering the temperature of the water, having previously taken off the muslin from the wet bulb. The result was as follows:

Standard.	Wet muslin off.	Dry.
82°·4	82°·1	82°·1
78·1	78·2	78·2
83·8	84·5	83·9
86·5	87·0	86·9
95·5	97·0	96·9

But comparing this with the daily register I find

Date.		Standard	Dry	Wet muslin on.
	D. H.			
April	16· 8	82°·4	82°·2	74°·5
	24· 7	82·4	81·7	77·7
May	12·13	82·4	81·9	76·5
	13·13	82·4	82·0	76·2
June	9·13	82·4	82·0	80·0
	14	82·4	82·5	80·2
Sep.	2·17	82·4	79·0	74·5
Oct.	1· 6	82 4	81·9	80·0
	28· 2	82·4	82·0	75.0
Nov	17· 1	82·4	81·9	76·3
	3·19	82·4	76·5	71·8
	14·19	82·4	75·4	69·3
	20	82·4	78·0	70·0
Dec.	8· 3	78·1	77·8	70·6
	22· 2	78·1	77·1	71·2
	30· 2	78·1	77·3	73·0
	28·20	78·0	78·0	70·6
Nov.	23·23	86·0	85·8	75·8

Although great allowance must evidently be made for error of observation, yet these observations clearly shew that the dry bulb was depressed below its proper height, and that this depression is greater as the depression of the wet below the standard is greater. This seems accountable only on the supposition that heat is extracted from the air to form the shell of moisture round the wet bulb at a distance as far off as the dry bulb. Hence I consider the observations of the dry bulb as quite useless, and have not published them. But as the standard is under the same circumstances as the wet bulb, these two may be used in calculations for humidity, so long as the standard was on the meteorologic stand.

Feb. 28^{d}. 11^{h}. A wet bulb thermometer exactly the same as the above was placed on the meteorologic hut upon the tinned board, by which ground radiation had been cut off from the air thermometer. As it was equally essential that the bulb of this thermometer should not be exposed to the wind, and that it should be in the same body of air as the air thermometer when the latter was exposed to the wind, a small mirror about an inch square was put on a little stand; and this being placed upon the tin board could be moved about by the observer into such a position that it might always cut off the wind from the bulb of the wet thermometer only. In order that the observer might know the direction of the wind, a small vane also was put on the board. The reason for making use of a mirror for a screen was that it would radiate no heat on the air thermometer; and therefore the glass side was always turned towards the bulb of the air thermometer.

Both the outside and the inside thermometers were thenceforward observed until the 11th May. The following tables give the results of the comparison.

Reading of inside wet bulb—Reading of outside wet bulb.

G. M. T.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
Mar. 6D.	+0·1	+0·3	+1·0	+0·8	+1·3	+0·7	+0·1	+0·7	+0·7	+0·7	+0·4	+0·5
8	+0.9	+0·4	+0·4	+0·9	+0·5	+1·2	+1·0	+1·5	+1·8	+0·6	+0·9	+1·2
9	+1·1	+1·3	+1·9	+2·0	+1·8	+1·5	+2·6	+1·0	+1·7	+1·6	+1·8	+0·8
10	+0·8	+0·4	+0·9	+0·5	+0·8	+1·5	+0.8	+1·2	+0·4	+0·6	+0·2	+0·6
11	+0·3	+0·1	–0·7	–0·5	0·0	–0·1	–0·2	0·0	–0·2	+0·3	0·0	+0·6
13	+0·7	+1·3	+0·7	+1.2	+1·3	+1–2	+1·9	+1·3	+1·1	+0·5	+1·0	+1·0
15	+1·1	+1·7	+1·4	+1·7	+2·0	+2·5	+3·0	+2·0	+2 7	+2·7	+2·5	+3·2
16	+2·6	+3·2	+3·7	+1·9	+2·0	+0.5	+1·5	+1·0	+2·5	+2·6	+3·2	+1·1
17	+0·8	+0·9	+1·5	+1·6	+2·0	+2·3	+3·5	+1·8	+1·5	+1·1	+0·1	+0·8
18	+0·6	+1·2	+1·4	+1·6	+1·8	+2·3	+2·0	+3·0	+2·0	0·0	–1·3	....
19	....	....	....	....	....	....	....	....	....	....	....	+1·1
20	+0·3	+0·7	+2·0	+2·7	+2·7	+2·0	+1·5	+2·0	+2·0	+1·8	+1.4	+1·0
22	+1·5	0·0	+0·6	+0·9	+1·3	+1·0	0·0	+0·2	0·0	+0·5	+0·4	–0·2
23	–2·1	+2·7	+0.5	+0·7	+0·5	+0·3	+2·0	+1·5	+1·5	+0·2	+0·0	+0·6
24	–0·6	0·0	–0·3	0·0	+0·2	+0·3	+0·2	0·0	+0·2	+0·4	+0·8	0·0
25	+0·1	0·0	+0·6	+0·7	+0·5	+0·7	+0·5	+0·6	+0·7	+0·5	+0·6	–1·1
26	–0·5	+0·2	+0.8	+1·0	+1·1	+0·3	+0·5	+0·5	+0·1	+0·2	+0·9	0·0
27	–1·0	–0·4	–0·4	–0·2	+0·5	+0·3	–0·3	–0·3	–0·7	–0·2	–0·1	–0·2
29	+0·1	+1·1	+0·5	–0·8	+0·8	+0·5	0·0	+0·7	+0·4	0·0	+0·5	+0·8
30	1·3	+1·7	+1·8	+2·8	+1·8	–0·3	+0·3	+0·4	+1·0	+0·5	+0·5	+0.6
31	+0·0	–0·1	+0·7	+1·5	+1·0	+0·7	+0·3	+1·0	+0·7	+0·3	+0·5	+0·1
April 1	+0·6	+1·0	+1·0	+0·9	+1·6	+0·8	+1·0	+1·1	+1·6	+1·4	+1·0	+1·0
2	+0·8	+0·9	+0·7	+0·9	+1·0	+1·2	+1·0	+1.0	+1·0	+0·8	+1·1	+1·3
3	+0·8	+1·0	+0·7	+1·4	+1·0	+1·3	+1·2	+1·3	+1·8	+1·6	+1·3	+1·0
5	+0·2	–0·6	+0·5	+0·5	+0·4	–0·2	+0.6	+0·5	+0·3	+0·4	+0·6	+0·9
6	+0·0	+0·4	–0·2	+0·2	+0·3	+0·1	+0·2	–0·4	+0·2	+0·1	+0·2	+0·3
7	–0·5	+0·3	0·0	0·0	+0·5	+0·3	+0·1	+0 3	+0·1	+0·1	+0·6	+0·7
8	+0·5	+1·1	+0·9	+0·9	+1·1	+0·9	+0·3	+0·3	+0·9	+0·3	+0·7	+0·6
9	+0·5	+0·2	–0·3	0·0	0·0	+0·2	+0·6	–0·1	+0·2	+0·3	+0·4	+0·1
10	–0·5	+0·2	–0·0	+0·4	0·0	+1·5	+0·3	+0·6	+0·2	+0·4	+0·6	+0·6
12	–0·2	–0·5	–0·5	–1·0	0·0	0·0	+0·7	0·0	–0·1	–0·3	0·0	+0·7
13	+0·7	+1·5	–0·2	–0·2	+0·3	–1·0	0·0	0·0	–0·1	+0·3	+0·6	–0·1
14	–0·2	–0·1	0·0	+0·5	+0·2	0·0	0·0	+0·4	+0·6	+0·6	+0·6	+0·8
15	+0·2	+0·3	0·0	+0·7	+0·2	+0·3	+0·2	+0·3	+0·1	+0·3	+0·3	–0·2
16	–0 8	–0·8	–0·7	+0·6	+0·3	+0·4	+0·8	+0·6	+0·3	0·0	+0·2	+0·4
17	0·0	+1·0	+1·0	+0·7	+0·7	+0·3	+0·2	+0·3	+0.0	+0·2	+0·6	+0·5
19	+0·2	+0·4	+0·7	+0·8	+1·0	+0·1	+0·3	+0·5	+0·5	+0·5	+0·4	+0·0
20	–0·6	+0·2	+0·3	0·0	0·0	0·0	+0·2	0·0	–0·6	–0·2	+0 2	+0·2
21	0·0	+0·4	+0·7	+2·0	–0·2	–0·5	+0·7	0·0	+0·5	+0·9	+1·2	+0·6
22	–0·6	–0·6	+0·6	+0·2	0·0	–0·5	+0·1	+0·3	+0·8	+1·2	+0·8	....
23	....	....	....	....	....	....	....	....	....	....	....	+1·4
24	+0·8	+0·1	+0·7	0·0	0·0	+0·5	+0·1	0·0	+0·3	+0·8	+0·6	+0·8
26	–0·2	0·0	+0·2	+0·1	–0·2	+0·2	+0·1	+1·0	+1·0	+1·0	+2·9	–0 4
27	–0·9	–0·7	0·0	0·0	0·0	0·0	+0·5	0·0	0·0	+0·6	+0·5	–0·2
28	+0·7	+1·3	+1·5	+1·1	+1·3	+1·7	+1·0	+0·9	+1·0	+1·3	–0·3	+0·7
29	–0·6	+0·2	+0·3	+0·2	+0·2	+0·3	+0·8	+0·4	+1·1	+1·4	+1·1	0·0
30	–0·1	+0·1	+0·5	+0·1	+0·8	+1·0	+0·8	+1·0	+1·1	+1·1	+1·2	+0·5
May 1	0·0	+0·5	0·0	0·0	0·0	–0·6	0·0	+0·5	+0·7	+1·2	+1·1	+1·1
3	+0·4	+0·6	–0·3	+0·3	+0·2	+0·3	+1·1	0 0	+1·1	+1·0	+2·4	+0·4
4	+0·4	+0·3	+0·5	+0·2	+0·5	+0·4	+0 3	+0·3	+0·1	+0·9	+0·2	+0·1
5	+0·7	+0·2	0·0	+0·4	+0·7	0·0	–0·1	+0·3	+0·2	+0·3	–0·2	–0·2
6	+0·2	+0·7	+0·9	–0·7	–0·1	+1·0	+0·5	+1 0	+0·5	0·0	–0·1	+0·1
7	–0·5	–0·8	–1·5	–0·5	–0·3	–0·2	–0·1	–0·3	–0.2	–1·0	–0·6	–0·3
8	–0·8	–0·4	–0·4	–0·2	–0·1	–0·5	–0·7	0·0	–0·3	+0·1	+0·4	+0·7
10	–1·2	–0·3	–0·4	–0.4	–0·2	–0·7	0·0	+0·3	0·0	0·0	+0·2	0·0

Reading of inside wet bulb—Reading of outside wet bulb.

G. M. T.		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
Mar.	6D.	+0·3	+0·4	+0·7	+0.9	+0.8	+1·0	+0·8	-0·2	-0·3	+0·6	-0·3	+0·3
	8	+1·6	+2·3	+2·1	+0·4	0·0	-0·5	-0·5	-2·0	-0·1	+0·1	+0·9	+1·1
	9	+1·0	+1·4	+1·1	+1·5	-0·1	-1·0	0·0	0·0	-0·7	-0·4	+0·5	+0·4
	10	+0·7	+1·0	+1·0	+0·3	+0·6	-1·9	-2·6	0·0	0·0	-0·3	-0·4	0·0
	11	+0·2	0·0	+0·3	0.0	+0·8	-1·0	0·0	+0·1	-2·0	0·0	+0·8	+0·7
	13	+1·2	+1·0	+0.8	+0·6	+1·1	+0·1	+0·9	+1·3	+1·3	+1·9	+2·6	+2·8
	15	+1·6	+1·0	+1·4	+1·7	+1·4	+1·0	-0·9	-1·4	+1·0	+1·3	+2·5	+2·0
	16	+1·2	+0·9	+1·5	+1·0	+0·2	+1·0	+0·8	+1·0	+2·2	+2·0	+2·7	+2·7
	17	+0·9	+1·5	+0·8	+0·1	-0·8	0·0	-0·7	+0·5	+0·5	0·0	+0·7	0·0
	18	....	....	....	....	....	....	....	....	....	....	....	....
	19	+1·3	+1·1	+0·7	+0·1	+0·5	-0·8	+2·2	+0·5	0·0	-0·3	+0·1	0·0
	20	+1·2	+1·0	+1·0	+0·4	0·0	-1·0	+0·5	+1·2	+1·5	+1·4	-0·2	+2·1
	22	-0·5	+0·4	+1·4	+0·7	+1·2	0·0	+0·2	+3·2	+3·0	+3·0	+2.0	+0·4
	23	+0·7	+1·8	+0·3	-0·6	-1·5	0.0	-0·8	-0·8	-0·5	0·0	-0·9	-0·3
	24	+1·4	+0·8	+1·3	-0·6	-0·3	0·0	-0·2	-0·5	+0·8	-0·3	-0·1	+0·3
	25	+1·2	+1·3	+0·5	-0·3	-0·5	-1·0	0·0	0·0	+0·3	+0·5	0·0	0·0
	26	0·0	+0·4	+0·5	-0·6	-1·0	-1·2	-1·0	-1·2	-1·8	-1·7	-1·7	-1·1
	27	-1·0	+1·2	+0·9	-1·2	-0·9	-1·3	-1·0	-1·8	-2·1	-1·5	-2·0	-5·3
	29	+0·4	+1·0	+1·0	+0·4	+0·5	-0·2	-0·4	-0·2	0·0	-0·1	+1·0	+1·2
	30	+0·4	+1·0	+1·2	+0·5	+0·1	-0·2	-0·5	-1·1	0·0	+0·4	-0·2	-0·8
	31	+0·2	+1·1	+0·8	+0·7	+0·2	-0·5	-0·5	-0·1	-0·9	+0·3	0·0	+0·3
April	1	+0·8	+0·8	+0·8	+0·2	0·0	+0·4	-0·5	-0·9	-0·1	0·0	+0·2	+0·2
	2	+1·3	+1·8	+1·0	-0·4	-0·6	-1·5	-0·2	-1·0	-0·6	+0·6	+0·1	+0.4
	3	+1·6	+1·5	+1·2	-0·1	-1·0	0·0	-0·7	-1·5	-0.7	-0·9	-0·2	+0·2
	5	+0.9	+0·9	+0·9	+0·2	+0·2	-0·6	-0·4	-0·7	-0·1	-1·0	-0·2	+0·5
	6	+0·4	+0·8	+1·0	0·0	-0·9	-1·2	+0·7	-0·6	-1·1	+0·2	-0·4	-0·4
	7	+0·1	+1·0	+1·0	+0·2	-0·7	-1·1	0·0	-0·7	-0·7	+0·3	-0·2	+0·4
	8	+0·9	+1·2	+0·7	-0·8	+0·9	0·0	0·0	+0·7	-1·2	-0·6	+0·1	-0·8
	9	+0·6	+1·3	+0·7	-0·2	-0·7	-1·0	-0·3	-0·4	-0·1	-1.0	-0·0	-0·1
	10	+0·6	+0.8	+1·0	-0·2	-0·1	-0·5	+0·2	-0·1	-0·5	-0·4	-0·1	-0·1
	12	+0·7	+1·1	+1·0	+0·4	-0·3	-0·5	-0·8	-0·2	-0·3	-0·6	-0·5	-0·4
	13	+0·9	+0·7	+0·5	+0·8	-0·3	-0·8	-1·0	-1·4	-0·1	-0·6	-0·9	-0·6
	14	+0.9	+0·5	+1·7	+0·8	+0·2	-0·6	0·0	-0·3	-0·2	-0·3	-0·4	0·0
	15	+0·3	+0·4	+1·1	-0·9	-0·6	-1·4	-0·8	-1·0	-0·8	-0·4	-0·3	-0·4
	16	+0·5	+0·7	+0·6	-0·6	-1.5	-1·5	-1·4	-1·0	-1·3	-0·1	0·0	-0·1
	17	+0·2	+1·0	+0·8	+0·2	+0·0	-0·8	-0·7	-0·4	-1·0	-1·4	-0·1	+0·2
	19	+0·3	+0·1	+0·4	-0·2	-0·4	-1·0	-1·3	-1·0	-0·5	-1·4	0·0	-0·3
	20	+0·8	+0·4	+0·5	-0·2	-1·2	-1·2	-1·8	-1·0	-0·4	-0·1	+0·2	+0·1
	21	+0·9	+0·5	+0·2	+0·1	-1·4	+0·2	-0·9	+1·0	-0·5	-1·1	-1·0	-1·0
	22	....	....	....	....	....	....	....	....	....	....	....	....
	23	-0·5	+1·2	0·0	-0·1	-1·4	-0·8	-1·7	-0·5	-0·4	-0·7	-0·4	-0·2
	24	+0·3	+2·0	+1·0	-0·5	-1·0	-0·4	0·0	+0·1	-0·3	-0·7	-0·3	-0·3
	26	-0·5	0·0	+0·8	0·0	-1·0	-1·5	-0·8	-0·7	-0·8	-1·4	-1·2	-1·0
	27	+0·6	+0·2	+1·0	-0·8	-0·3	+0·4	-3·0	-1·3	+1·1	-0·6	+0·1	0·0
	28	+1·2	+1·5	+1·8	+1·8	+0·5	-0·5	-0·2	+0·3	0·0	-0·1	-0·1	+0·2
	29	+1·1	+1·2	+0·9	0·0	+0·6	+0·5	-0·4	-0·8	-0·7	-0·5	-0·4	0·0
	30	+1·3	+1·5	+0·3	-0·1	0·0	+1·5	-0·9	-0·8	-0·5	-0·6	-0·5	-0·1
May	1	+1·0	+1·5	+0·6	-0·7	-0·5	-0·2	-0·6	-0·1	0·0	-0·1	-0·8	-0·1
	3	+0·7	-1·7	-1·9	-0·6	-0·2	0·0	-1·6	-0·2	-0·1	0·0	0·0	-0·4
	4	+0·6	+1·0	+0·5	0·0	-1·2	-1·5	-0·7	-0·3	-1·0	-0·1	-0·1	-0·8
	5	0·0	+0·3	+0·2	+0·6	+1·3	+1·0	-0·7	+1·0	-0·8	+0·2	+0·4	-0·4
	6	0·0	+0·5	-0·1	-0·6	-1·0	-1·5	-1·1	-1·5	-2·0	-1·3	-0·5	-1·0
	7	+0·2	+0·7	+0·7	-0·8	-0·7	-0·8	-1·0	-0·6	-0·8	-0·7	-0·4	-1·0
	8	+1·4	+0·9	+0·8	-1·2	-1·1	-2·0	-0·8	-0·7	0·0	-1·0	-1·0	-0·7
	10	+0·3	+0·7	+0·5	-1·1	-1·2	-0·7	-0·4	-0·4	-1·0	-0·6	-2·4	-0·8

The above discrepancies are functions of 1st the differences' of reading of the thermometers at the same temperature, which may amount to 0°5 ; 2^{d}. the exposure to drafts of air within the Observatory, which would diminish the reading of the internal thermometer ; and 3dly the retention of atmosphere within the room which would have a tendency to keep up the reading at any time to whatever it had been at a time preceding. The latter seems to have been the principal cause of the errors of the internal thermometer. This consideration furnishes an explanation of the great discrepancies of the 15th, 17th and 18th March. For a sea-breeze on the 14th having brought into the Observatory a large supply of moisture, this was only gradually removed by the dry land wind which was blowing at 0^{h}. on the 15th ; so that the moisture of the sea breeze was indicated for several hours within, whilst the dryness of the land breeze was indicated by the wet-bulb without. In like manner on the afternoon of the 16th, there was a sea-breeze and its moisture was registered by the inside wet-bulb, whilst the land breeze was actually blowing on the 17th. On the 18th a sea breeze had been blowing from 18^{h}. of the 17th to 14^{h}. of the 18th ; this may be supposed to have accumulated moisture, and such was in fact indicated by the outside wet-bulb according to which the air was nearly saturated at 11^{h} ; but the atmosphere in the interior of the Observatory never came so near the point of saturation, but was kept much more nearly in the same state of moisture from 2^{h}. to 11^{h}. If, on any one of these three days, the doors had been kept open, the room would have been nearly in the same condition as the open air, and such large discrepancies as 3° would not have occurred. In the hot days of May, the observers most probably kept the doors well open, and consequently the two wet bulbs agree pretty well during this month.

A large discrepancy occurs April 27^{d}. 18^{h}. The sign here is —. This morning was very hot and a fresh sea breeze was springing up. The Observatory was then doubtless open, the breeze blew upon the unscreened bulb of the interior wet bulb, and unduly oppressed it ; the exterior thermometer was screened, and therefore gave the true moisture.

April 19^{d}. 22^{h}- The screen was away.

Daniel's Hygrometer of the usual construction is used for the determination of the dew point, the observations being made at the meteorologic stand, until March 19^{d}. 23^{h}. from which time it was observed in the meteorologic hut.

Direction of the wind

is self-registered by an anemometer on Osler's principle. It is made by Newman. The vane is above the roof of the transit room, and the table and clock are at the west end of the room.

Pressure of the wind

is measured by Lynn's wind gage. The tube is of equal diameter with the orifice where the wind enters. The pressure of the wind, corresponding to the heights at which the column of water rises, is ascertained by the table given in the Report of the Royal Society's Committee for 1840, page 84.

Evaporatron

is measured in the funnel top of a rain gage; the upper diameter is 12 inches, the lower diameter 4 inches, and the depth is 7 inches. A bar is placed on the upper surface and carries a needle. At 5^h. and at 17^h. the point of the needle is made to touch the surface by dropping water into the vessel, until the points of the needle and its image meet. The water is dropped from a graduated tube, so that it is known exactly how much water is dropped in every six hours, and consequently how much has been evaporated during that time.

The vessel is placed in the N. W. angle of the Observatory close by the wall. In this corner there is no wind, and the walls make it difficult for the evaporated moisture to pass away freely as in the case of natural evaporation. Besides this, the temperature of the water and surrounding air is affected by the disadvantages pointed out with regard to the other meteorologic instruments within the Observatory. These circumstances must be taken into account in making use of our registers.

Two other rain gages of a like construction also were used to determine the evaporation. They were sunk into the ground with their brims nearly at a level with the soil, in a very clear space between the Observatory bungalow and the large Observatory, where the wind had free access to their surface. They were both protected by iron wire, to prevent birds or other animals drinking from them. There was also a stuffing of cotton round about them in order to prevent as much as possible the conduction of heat from the surrounding soil. In the Register they are distinguished as Dish No. II. and Dish No. III. No. II. was protected by matting which was changed in position by the observer on duty so that the sun's beams might be cut off from the vessel, at the same time that the wind had free access. No. III was exposed to the full influence of the sun.

Rain.

Osler's Rain Gage is connected with the anenometer. It is 55 feet above the floor of the tide house. It exposes to the rain an area of 288 inches. The collected water passes through a tube into a vessel suspended in a frame by a chain which pass over a wheel and supports at the other extremity a weight, which is made variable so as to counterbalance the variable weight of water in the vessel by being immersed in water. The self registering apparatus is the same as that described in the Greenwich Observations for 1840-41.

Newman's Rain Gage, is a funnel whose upper diameter is 12 inches, it is placed about 35 feet from the north-east angle of the Magnetic Observatory. It is about 49 feet above the floor of the tide house.

Oct. 4^d. 10^h. Newman's Gage was out of order.

SOLAR RADIATION

was observed with Sir J. Herchell's *Actinometer*.

In the register the day of the month is the civil day, the hours before 12 belonging to the preceding day.

It was also observed with a *black bulb thermometer*. The thermometer is exactly the same as the thermomenter on the ground employed to determine the temperature of air in contact with the ground. It was fastened to a wooden bar placed in a wooden box, which the observer could always adjust so as to bring the plane of the thermometer perpendicular to the sun beam.

The observations with the black bulb were suspended when the sky was too much clouded.

From June 1^d. the observations were continued until the hour after sunset.

June 10^d. 15^h. The thermometer was cooled by rain.

Oct. 15^d. The thermometer, which at the commencement of the year had been used as a ground thermometer, having had its bulb blackened, was fixed on a wooden frame exactly the same as that of the thermometer hitherto used as a black bulb, and placed in the same way in the same box with it. The bulb was then screened by a small wooden bridge, blackened internally in order to absorb and not reflect any rays from the bulb or the parts of the apparatus about it, and other precautions were taken to prevent the bridge from being heated by the sun. This was done because it was suspected that the readings of the exposed black bulb were caused partly by the heat of the box and of its scale. If this were not the case the readings of the air and screened black bulbs would have been nearly the same. They were however very different; so that in order to obtain the effect of solar radiation it will be necessary to subtract the screened black bulb and not the air Thermometer reading from the unscreened black bulb reading.

Dew.

Preparatory to making a series of observations on this meteorologic element, which is of immense importance relative to the agriculture of India; the following experiments were made in order to determine the most eligible position for making them.

These experiments were made with wool, which was cleaned with potash, and further by vapor of sulphur. Out of a quantity thus prepared, balls, with the fibres very loose, were made, and tied with cotton thread by which they were suspended at different heights from the ground. The place chosen for the experiments is on the east of the broad walk leading from the large Observatory to the Bungalow; and the trees and shrubs which might affect the radiation were cut away, with the exception of a low edging of euphorbia which bordered the walk and might hinder westerly winds from blowing freely on the surface to a height of a few inches. No. I. was suspended close to the ground which was of red soil; No. II. at a height of eighteen inches, and No. III. of thirty above the ground; Nos. IV. and V. were hung from an iron wire between two poles about six feet high; No. V. was nearest to the other three balls, and No. IV. was nearer to the large Observatory.

The balls were weighed in a balance by Robinson, belonging to the Elphinstone Institution, a little before sunset. After sunset they were suspended and hung all night, and were weighed in the morning. In general, it was not possible to weigh all five balls within the same hour on account of the numerous other observations to be made at the same time. But when three only were observed, the weighing was completed within the half hour which is entered as the time at which the gain was determined. After the observation, the ball was in the sun during the day.

The unit of weight is the grain.

A ball of seven grains weight was found to be sufficiently delicate; and it was an object to have the balls as small as possible in order that the air might freely permeate.

The difference in weight of the supposed dry balls each day appears owing to their never being perfectly dry, the moisture in the air always affecting them. On this account the weighing was repeated in the latter part of the series more frequently than was at first thought necessary.

From the following observations it will appear that the euphorbia hedge must greatly have affected the observations; consequently the position No. IV. was considered least objectionable for carrying on a regular series; and accordingly, they were regularly made every hour during the night after the rains.

B.M.T.	Weights when dry, of the balls No.					Gain after night exposure of balls No.					
Date.	I	II	III	IV	V	At	I	II	III	IV	V
	Grs.	Grs.	Grs	Grs.	Grs.	H.	Grs.	Grs.	Grs.	Grs.	Grs.
Jan.15	21.0	21·0	....	....	....	Sun Rise	2·37	1·52			
20	7· 0	7· 0	7· 0	....	....	15	0·70	0·33	0·40		
21	8·13	7·73	7·51	....	....	17½	0·92	0·51	0·45		
						19	1·35	0·63	0·47		
22	....	....	....	....	....	17½	0·28	....	0·22		
						19½	0·01				
23	7.24	....	7.10	....	....	17½	0·31	....	0·15	†	
						19½	0·46	....	0·22	†	
25	7·28	7·28	7·12	....	...	16½	1 23	1·56			
						17½	....	....	1·83		
						19½	1·27	0·94	0·86		
26	7·28	7·28	7·28	....	....	17½	1·10	0·64			
27	7·25	7·25	7·25	7·25	....	17½	0·35	0·00			
28	....	....	....	....	....	17½	0·00	0·00	0·00	†	
31	....	....	....	....	7·35	17½	4·08	5·35	5·74	4·65	4·05
Feb. 1	....	....	....	....	....	18½	7·07	7·55	8·65	5·59	5·50
2	7·79	7·78	7·90	7·54	7·54	19	2·01	1·06	1·31	1·49	
3	....	....	....	....	....	19	3·51	2·42	3·50	3·60	2·56
4	.. .	....	....	....	....	17	6·07	8·63	10·51	7·60	
5	7·79	7·78	7·86	....	....	18	2·45	1·51	1·36	1·06	
6	....	....	....	....	....	18	0 61	*			
8	....	....	....	....	...	17	0·35	0 33	0·01	0.16	0·04
9	....	....	....	....	....	18	0·11				
10	....	....	....	....	....	....	....	5·62	5 87		
13	....	....	....	....	....	18	0·74	0·86	0·48	0·46	
14	....	....	....	...	....	18	0·94	0 66	0·74	0·46	0·40
15	....	....	....	....	....	18	0·00	0·00			
16	....	....	....	....	....	18½	1·64	1·34	1·24	0·96	
17	....	....	7·74	7·54	....	18	....	0·38	0·04	0·30	*
18	....	....	....	....	....	18½	1·30	0 97	0·93	0·66	
23	....	....	....	....	...	18½	1·86	1·94	2·26	1·50	1·56
24	....	....	....	....	....	18½	1·08	1·28	1·46	1·06	
25	....	....	....	....	7·55	18½	0·90	1·00	1·36	1·00	
Mar. 1	....	....	....	....	....	18½	0·66	0·64	0·36	0·50	
2	....	....	....	....	....	18½	2·30	2·26			
4	....	....	....	....	....	18½	2·30	....	3·70		
6	....	....	....	....	....	18½	0·43	....	0·53	0·26	
8	....	....	....	....	....	18½	0 25	....	0·33		
9	....	....	....	....	....	18½	1·00	....	0·70		
10	....	....	....	....	....	18½	1·20	....	1·50	1·02	

B.M.T.	Weights of dry balls No.			Gain after exposure of balls No.			
Date.	I	III	IV	At	I	III	IV
	Grs.	Grs.	Grs.	H.	Grs.	Grs.	Grs.
Mr. 11	....	....	....	18½	1·40	1·10	0·84
12	‡8 16	8·16	8·16	18½	1·63	1 94	1·54
16	8·07	8·00	8·07	18½	0·37	0·59	0·33
17	....	....	....	18½	1·90	2·10	1·33
19	....	....	....	18½	0·53	0·50	0·43
20	....	....	....	18½	1.02	1·18	0·72
22	8·09	8·10	8·30	18½	0·37	0·13	0·07
23	8·09	8·00	8·30	16½	0·37	0·40	
24	8·09	8 00	8 30	16½	2·51	2·90	1·76
25	....	....	....	16½	1·49	1·50	1·65
26	....	....	....	16½	0·97	1·00	0·76
27	....	....	....	16½	1·21	1·60	1 50
29	8·06	8·00	8·30	16½	0·19	0·16	0·00
30	....	....	....	16½	0·62	0.50	0·50
31	....	....	....	16½	0·54	0·60	0·50
Apr. 1	....	....	....	16½	0·64	0·64	0·82
2	....	....	....	16½	0·54	0·50	0·56
3	....	....	....	16½	0·24	0·45	0·40
5	7·24	8·00	7·86	16½	0·50	0·44	0·49
6	....	....	....	16½	0·51	1·30	1·44
7	....	....	....	17½	0·50	0·44	0·44
8	....	....	....	17½	0·66	0·70	0·64
9	....	....	....	17½	0·96	1·25	1·04
10	....	....	....	17½	1·43	2·27	1·62
12	...	....	....	17½	0·96	1·20	1·00
13	7·46	8·15	8·03	17½	0·69	1·19	0·87
14	7·38	8·10	7·94	17½	0·55	0·50	0·42
15	7·38	8·10	7·94	17½	0·92	1·27	0·85
16	7·38	8·10	7·94	17½	0·46	0·50	0·50
18		....	....	17½	0·72	1·06	0·92
19	‡7·29	7·25	7·29	17½	0·08	0·13	0·11
20	7·29	7·25	7·23	17½	0·21	0·15	0·13
21	7·10	7·05	7·15	17½	0·45	0·35	0·25
23		....	....	17½	0·30	0·32	0·25
24	7·20	7·15	7·20	17½	1·20	1·35	1·30
26		....	....	17½	0 00	0·00	0·00
27		....	....	17½	2·00	1 45	1·30
28	7·15	7·10	7·15	17½	0·21	0·17	0·13
29		....	....	17½	2·32	2·77	2·89
30	7·36	7·31	7·33	17½	1·58	1·63	1·62

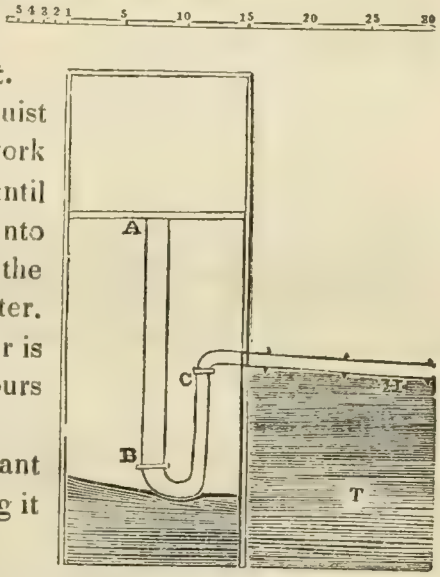
* Dew was perceptible only on the leaves of the plantain at day break.

‡ New balls.

† No perceptible dew.

TIDE GAGE.

The tidal changes are observed by a self-registering gage which is placed in a small building in the east of the Observatory compound. The float of the gage descends into the pipe AB in which the water rises, being conducted by the syphon B C H from below the low water mark T.



The diameter of the pipe B C is...... 9 inches.
Of the pipe C H .... 6 inches.
The length from C to low water Mark.... 780 feet.

This construction was recommended by Dr. G. Buist and on resuming charge in April 1845, I found the work considerably advanced, but it was not completed until after the rains; therefore we were not able to bring it into operation until December 1845. Since that date the curves have been traced on the paper by the self register. And as it was found that the curve for each half hour is always nearly coincident with its tangent, the half hours only have been abstracted and published.

The gage was under the immediate charge of Serjeant Dunn, who took most praiseworthy pains in keeping it in order and watching its working.

The highest tides come up to the wall of the building. As far as the pipe extends, the shore is rocky and gradually descends, since the trap beds dip towards the sea in the deep channel which forms the entrance to the harbour, and which lies between Colabah and the Prongs on the west side, and the island of Caranjah and Angria's Colabah on the east side. This gage therefore indicates neither the tide of the open sea nor that of the harbour but something between the two.

WEATHER.

In recording these observations the following symbols are always used:

ˋ	Cirrus.	ˋ *i*	Cirri.
⌒	Cummulus.	⌒ *i*	Cumuli.
—	Stratus.	— *i*	Strati.
∿	Cirro-Cumulus.	F.	Prefixed signifies fleecy.
⌊	Cirro-Stratus.	D.	Prefixed signifies dense.
⌒_	Cumulo Stratus.	L.	Prefixed signifies light.
∿_	Nimbus.		

ARRANGEMENT OF DUTIES.

The hourly observations were made by Ananta Ballal, Gunesh Narrayan, and Dinshaw Dorabji. On occasion of sickness their turns were taken either by Keru Luxamon, or Serjeant Dunn. The part which each took in these observations, will be seen by the initials placed to the hourly observations of the weather; for it is to be understood that all observations made at the hour, were taken by the same individual. The initial letters are as follows:

ID.	Sergeant Dunn.
K.	Keru Luxamon.
A.	Ananta Ballal.
G.	Gunesh Narrayan.
D.	Dinshaw Dorabji.

The order of the observations themselves as taken at each hour is

From 20^m to 7^m before the full hour	The Weather is observed.
7 to 3	The Meteorological Instruments.
at 2	The Vertical Force.
at the full hour......	The Large Declination.
2 after the full hour..	The Large Horizontal Force.
4	The Small Horizontal Force.
5	The Small Declination.
and as quickly as possible	The Induction.

The remaining time is occupied in abstracting and reducing.

Myself, Serjeant Dunn, and Keru Luxamon, divided the experimental and preliminary adjustments. The adjustments and determinations of the co-efficients of the small instruments were made entirely by Serjeant Dunn and Keru Luxamon. The fixing the instruments, the cleaning and the various other mechanical operations mentioned in the Introduction were left to Serjeant Dunn. The absolute determinations of Dip and Horizontal Force were taken partly by Serjeant Dunn, and partly by Keru Luxamon. I was personally engaged in the other determinations, and, as I always examined the work of the two principal assistants and was called when any difficulty occurred, I am responsible for the accuracy of the whole. Serjeant Dunn, and Keru Luxamcn, or one of them, were always present; I considered it essential to the stability of the establishment that they should be perfectly acquainted with the objects and principles of the observations in a country where sickness causes very sudden removals, and the establishment might be left (as it has been) without a superintendent. The zeal of both of them has greatly assisted me, and I cannot separate their work from my own so far as I was engaged in the observations.

The hourly observations are inspected by me frequently. In order to facilitate this, the curves of the principal instruments are pricked off at the time of observation, which enables me to see at a glance whether they are working correctly.

The Tables in use have been calculated by Serjeant Dunn and Keru. They are hung upon boards over the registry table.

MISCELLANEOUS

Observations at Surat, the Keneri Caves, Mahableshwar, Nagootna, and the road between Nagootna and Mahabaleshwar.

These observations were made, when I was on educational duty at Surat, and the others when ill health obliged me to leave Bombay for a short time. Those at Surat were taken on a terrace at the top of the Government School-house. The instruments were under the protection of a bamboo matting. At the time, I was in a very nervous state of health ; my mind had been much fatigued by long school examinations ; and I was a good deal interrupted by the curiosity of Mr Green's pupils, to whose curiosity I was quite willing to sacrifice the observations. Consequently great errors were made, and on returning to Bombay I doubted altogether the accuracy of my observations, I made them over however to Keru Luxamon, who made out the following results :

Longitude of the School House, Surat.

The instrument used was a small variation transit by Robinson.

Date.	Stars observed.	Equatorial intervals between the wires.			
		I and III	II and III	III and IV	III and V
Nov. 7D.	γ Ceti.....	45·0	22·0	23·0	50·0
	α Ceti.....	44·7	23·7	23·3	50·2
9	α Eridani..	....	....	22·5	47·9
10	α Ceti.....	44·0	23·0	24·0	49·0
	α Persei...	46·7	22·9	23·5	49·6
11	α Eridani..	47·4	22·8	24·8	49·5
	α Arietis ..	41·3	21·1	21·1	45·9
	γ Ceti.....	44·0	22 0	24·0	54 8
	α Ceti.....	....	...	24·0	54·0
	Polaris ..	45·6	22·8	....	50·5
	Means......	44·7	22·5	23·4	49·9

Assuming the above means to be the true intervals, the following intervals were calculated for the undermentioned stars:

	Time of passing between the wires.			
	I and III	II and III	III and IV	III and V
	m. s.	m. s.	m. s.	m. s.
Polaris...........	28·09	14·10	14.44	31·25
α Eridani........ .	1·24·4	0·42·5	0·44·2	1·34·2
α Arietis...........	0·48·4	0·24·4	0·25·4	0·54·1
γ Ceti.............	0·44·7	0·22·5	0·23·4	0·49·9
α Ceti.............	0·44·8	0 22·5	0·23·5	0·50·0
α Persei..........	1·08·6	0·34·5	0·35·9	1·16.6

With these quantities each of the observations over each wire was reduced to the third wire, and those which differ much from the other being rejected, a mean of the others only was taken. For example,

7th Nov.	Observed passage	Reduction	Reduced Observation.	
α Ceti over I	12^{h} 02^{h} $38^{s}0$	44·8	12^{h} 03^{m} $26^{s}8$	rejected.
.... II	02 59·0	22·5	21·5	
.... III	03 22·7	..	22·7	
.... IV	03 46·0	23·5	22·5	
.... V	04 13·0	50·0	23·0	

∴ Mean passage of α Ceti = 12^{h} 03^{m} $22^{s}4$

In this way the following transits were determined.

		h. m. s.
1846 Nov. 7^{d}	γ Ceti......... .	11·44·33·0
	α Ceti..........	12·03·22·4
9^{d}	Polaris	10·14·25·0
	α Eridani	10·34·02·0
10^{d}	α Eridani	10 30·18·0
	α Airetis	10·56·38·9
	α Ceti	11·52·18·2
	α Persei........	12·11·34·2
11^{d}	Polaris	10·09·58·0
	α Eridani	10·26·34·3
	α Arietis	10·53·09·7
	γ Ceti...........	11·29·53·9
	α Ceti..........	11·48·40·8
	α Persei........	12·08·13·6

After these observations were completed, the instrument was turned and changed in another azimuth, and Polaris was observed with the lamp and instrument reversed; and the error of collimation deduced $207^{s}.4$ for the pole star, or $+5^{s}\,4$ for equatorial stars.

From the observations of Polaris and γ Ceti the horizontal deviation was computed—5^{s}. 1.

The error of level was assumed = 0.

The observed time of each star's passage being corrected for the above errors, the error of the chronometer was ascertained for each star according to the usual method of the Bombay Observatory; thus,

	h. m. s.
Mean time of γ passing Meridian at Greenwich	8·37·35·6
Correction for long 4^{h} 51^{m}.	47·9
Mean time of γ passing meridian at Surat	8·38·23·5
R. A. of Ceti	2·34·58·6
True Mean time of γ Celi passing meridian of Surat	11·13·22.1
Time of the same by chronometer	11·30·00·0
Error of Chronometer	— 16·37·9

Column II, in the following table contains the errors of the chronometers thus calculated from the stars in column I. Some of these are evidently erroneous. Keru conjectured that I had probably taken some multiplie of 5^{s}. wrong, of which I have little doubt, and such probable errors are entered in column III. Col. IV contains the corrected errors of the chronometer; col. V, the mean for each day; col. VI, the resulting rates; col. VII, the deduced error of the chronometer on the 5th November.

Date.		I	II	III	IV	V	VI	VII
			m s			m. s	s	m. s
Nov	7D.	γ Ceti....	–15·34·3	0·0	–15·34.3	–15·33·4		–14·53·9
		α Ceti.....	–15·32 6	0·0	–16·32·6		–15·6	
	9D	α Eridani..	–16 04·5	0·0	–16·04·5	–16·04·5		–14·53·4
	10D.	α Arietis..	–16·10·2	+10·0	–16·20.2	–16·21·2	–16·7	
		α Ceti.....	–16·16·6	+05·0	–16·21·6			–14·54·3
		α Persei ..	–16·31·8	–10·0	–16·21·8		–15·7	
	11D.	α Eridani..	–16·25·3	+10·0	–16·35.3	–16·36·4		
		α Arietis..	–16·38·1	0·0	–16·38·1			
		γ Ceti.....	–16·37·9	0.0	–16·37·9			–14·53·7
		α Ceti	–16·34·5	0·0	–16·34·5			
		α Persei ..	–16·66·2	–30 ·0	–16·36·2			

∴ The mean value of the deduced error for Nov. 5^d. is $-14^m. 53^s. 7$

But the error of the chronometer for Bombay Time on that date by the register of chronometers at the Observatory was .... } $-14^m. 31^s. 6.$

∴ The difference of the longitude of the two places is........ $22^s. 3.$

The School-house at Surat being East of the Bombay Observatory.

Latitude of the School-House, Surat.

The barometer was assumed 30 inches, and thermometer = 80° F. and the following colatitudes were deduced.

	Observations.	Deduced colatitudes.
α Eridani	10°53′40″	68°48′16″
α Arietis	1·33·10	68·48·24
γ Ceti	71·24·00	68·48·20
α Ceti	72·19·00	68·48 14

∴ the latitude is 21° 11′ 42″

MAGNETIC DECLINATION.

All the observations were made with a small Magnet suspended in the small Declinometer No. 2; and the readings were taken with the variation transit.

The observations at Surat were made on the top of the School-house which is situated close by the river in the midst of the town.

Those at Mahableshwar were made by myself and Keru Luxamon, under shade in the grounds of the bungalow belonging to Col. Dickinson. The rock of these mountains is trap capped with laterite. The height of the barometer is about 25.5 inches. Its longitude is about 76°40′ and latitude about 18°.

These being made in the open air are reduced to absolute observations by ascertaining the position of the Magnetic Meridian, correcting for the errors of the transit, for torsion.

Those at Kenneri being made in the principal cave when stars could not be observed, are only variations of declination. The cave is hollowed out of a volcanic tufa.

G. M. T.	Absolute.			Determinations.			Variations.		
	Surat.			Mahableshwar.			Kenneri.		
Hours.	Temp. air.	Day.	Nov. 1846.	Date.	Hour.	April, 1846.	Date.	Hour.	March, 1846.
19	....	6	0°29′47″						
16	....	10	0·29·47						
3	...	11	0·36·47	20	13	E 0°39′09″	10	h. m. 13·07	25′45″
h. m. 15·24	....	15	E 0°38′52″		14	41·03		13·34	25·28
15·59	71°0	....	41·56		23	41·00		14·16	24·04
16·17	....	....	41·49					15·24	22·23
16·59	75·0	....	42·13		16	39·07		16·09	22·40
17.50	78·5	....	41·32					16·26	19·01
18·49	83·0	....	41·07		17	37·00		17·05	23·30
19·50	84·7	....	40·33		18	34·05		17·32	21·49
20·49	85·7	....	40·50		19	34·00		18·00	22·23
21·49	87·0	....	40·42		20	34·05		18·30	22·23
22·53	86·3	....	40·25		21	36·03		19·10	22·06
00·46	83·7	16	39·43		22	37·00		19·30	21·49
02·20	....	....	41·07		23	37·06		20·00	21·33
03·57	....	....	41·40	21	00	38·02		20·30	20·59
04·55	....	....	41·23						
06·06	....	....	40·42						

ABSOLUTE DETERMINATIONS OF HORIZONTAL FORCE.

	Date.	Magnet Vibrated.	No. of Vibrations.	Time of one Vibration.	Torsion Force.	Temp. of Vib. Magt.	Distances.	Magnet Deflected.				Mean.	Mean of Means.
								East side.		West side.			
								N. Pole E.	N. Pole. W.	N. Pole. E.	N. Pole. W.		
				s.			feet.						
SURAT, NOVEMBER.	8	C 4	180	4·620	..	..	2·4	9·195	4·350	9·180	4·360	6·771	6·768
							2·0	10·895	2·660	10·850	2·660	6·767	
	9	..	40	4·600	..	..	2·4	9·125	4·305	9·055	4·315	6·700	6·698
							2·0	10·885	2·530	10·775	2·555	6·686	
	10	..	202	4·627 4·673	..	..	2·4	9·130	4·325	9·145	4·325	6·731	6·718
							2·0	10·880	2·515	10·820	2·610	6·706	
	11	..	200	4.625	..	..	2·4	9·010	4·215	9·120	4·185		
							2·0	10·760	2·460	10·770			
	16	..	200	4·622	..	..	2·4	8·915	4·245	8·940	4·090		
							2·0	10·665	2·330	10·600	2·350		
	17	..	200	4·620	..	..	2·4	9·000	4·200	9·035	4·190		
							2·0	10·630	2·420	10·760	2·450		
KENNERI	March 12	C 4	200	4·290	..	..	2·4	12·190	7·770	12·130	7.825	4·362	
			..	..	..	..	2·0	13·815	6·180	13·700	6·230	7·552	
MAHABULESHWAR.	April 17	C 4	200	4·536	..	..	2·4	10·510	5·575	10·497	5·575	4·928	
							2·0	12·305	3·795	12·270	3·790	8·495	
	19	C 4	200	4·557	..	..	2·4	10·350	5·500	10·380	5·450	4·890	
							2·0	12·140	3·750	12·165	3.650	8·452	
	21	C 4	200	4·561	..	..	2·4	11·700	6·880	11·750	6·830	4·870	
							2·0	13·445	5·145	13·520	5·040	8·390	
NAGOTNA.	May. 5	C 4	200	4·547	..	..	2·4	11·015	6·242	11·070	6·237	4·803	
	..	..	..	..	..	..	2·0	12·725	4·520	12·737	4·467	8·262	

OBSERVATIONS AT ADEN.

At the request of the Bombay Military Board, I prepared an Ostler's wind-gage, a mountain barometer, by Adie, a self-registering tide-gage, and thermometers for observations to be made at Aden. The following is the comparison between the Bombay Standard No. 58 and the mountain barometer on different days.

At the hour	BAROMETER.					ATTACHED THERMOMETER.			At the hour.	BAROMETER.					ATTACHED THERMOMETER.		
	Uncorrected for Temp.		Corrected for Temp.		No. 18. — Aden.	No. 58.	Aden.	Aden. — No. 58.		Uncorrected for Temp.		Corrected for Temp.		No. 58. — Aden.	No. 58.	Aden.	Aden. — No. 58.
	No. 58.	Aden.	No. 58.	Aden.						No. 58.	Aden,	No. 58.	Aden.				
0	30.082	30.114	29.936	29.968	- .032	82°5	82°4	- 0.1	12	30.072	30.128	29.970	30.004	- .034	75°2	74°6	- 0.6
	.090	.126	.939	.975	- .036	84.1	83.9	- 0.2		.108	.138	.977	.011	- .034	76.5	75.6	- 0.9
	.090	.120	.942	.972	- .030	82.9	82.9	0.0		.068	.094	.940	29.972	- .032	74.6	73.5	- 1.1
	.075	.108	.929	.962	- .033	81.8	82.2	+0.4		.092	.120	.970	.999	- .029	73.4	73.3	- 0.1
	.080	.116	.939	.976	- .037	81.4	80.8	- 0.6		.078	.118	.953	.998	- .045	73.6	73.0	- 0.6
	.072	.150	.928	30.080	- .080	81.2	81.2	0.0		.086	.114	.963	.993	- .030	73.8	73.4	- 0.4
	.082	.142	.942	.003	- .061	80.3	80.0	- 0.3		.074	.100	.952	.982	- .030	73.1	72.5	- 0.6
6	30.161	30.208	30.026	30.066	- .040	77.7	77.5	- 0.2	18	30.207	30.236	30.071	30.097	- .026	78.6	79.5	+0.9
	.171	.212	.035	.077	- .042	77.8	78.2	+0.4		.201	.208	.068	.097	- .032	78.8	80.4	+1.6
	.164	.192	.030	.061	- .031	77.6	77.5	- 0.1		.165	.201	.029	.061	- .032	78.7	80.0	+1.3
	.145	.174	.012	.047	- .035	76.7	75.5	- 1.2		.176	.218	.041	.076	- .035	79.2	80.8	+1.6
	.121	.164	29.992	.037	- .045	76.1	75.7	- 0.4		.147	.180	.014	.043	- .029	78.4	79.2	+0.8
	.142	.190	30.011	.061	- .050	76.1	76.2	+0.1		.191	.238	.058	.093	- .035	77.7	78.2	+0.5
	.132	.190	.001	.066	- .065	75.5	74.5	- 1.0		.171	.196	.058	.062	- .024	77.5	78.2	+0.7

The instruments were put under charge of Serjeant W. Moyes, who was furnished with forms of observation from the Observatory. By the 1st April he had set up his barometer and thermometer in a bungalow belonging to the Rev. Mr. Tombs, in an open worked verandah 12 feet wide, and which he protected with tent walls to keep off radiation.

It had been proposed to establish the meteorological instruments at Seerah, a rocky islet, south of the peninsula ; and which therefore is protected from the northerly winds by the high mountains of Aden. In order then that the amount of obstruction might be estimated, I requested Serjeant Moyes to observe the altitudes and bearings of the principal heights.

Places Observed.	Observations made at					
	Highest Pt. of Seerah.		Marshag.		Munsiry.	
	Angular height.	Azimuth.	Angular height.	Azimuth.	Angular heights.	Azimuth.
Seerah			0°50′00″	172°00 W.		65°00 E.
Ras Munsery	2°53′00	125°00′ W.	2·00·00	145·00 W.		
1st. Pt. South side of	2·04·40	109·30 W.	2·00·10	130·00 W.		
2nd Pt. Main	2.05·10	100·20 W.	3·04·00	113·40 W.		
3rd Pt Pass	3·47·30	97·40 W.				
Shamsham.	4·50·20	87·10 W.	6·30·00	105·00 W.	6°05·00	70·20 W.
Turkish watch Tower	5·56·40	54·00 W.	7·00·00	85·30 W.	5·12·20	22·10 W.
Next Point....			7 10·00	82·00 W.		
Southern point	2 50·00	34·45 W.				
Next Pt. to Turkish Tower ...						
South Pt.			4·16·30	62·00 W.		
Extreme South Pt.				50·10 W.		
Marshag	0·50·00	18·00 E.			2·00·00	45·00 E.

Nov. 2. The anenometer being not yet put up, Serjeant Moyes noted the wind by three vanes, one on the highest point of Seerah, one on the top of the Flag staff at Seerah, and one on the top of his house which had been built at Seerah.

The tide house was built according to a plan which I gave in to the Military Board. As the shore is shelving, I wished as far as possible to obviate the effect of friction and other retardation in coming up the shore, and therefore wished the tide house to be as far out to sea as possible. Also I wished to have the indications direct and not through the medium of any piping or channels, which must cause the indications to correspond to a time prior to that which is registered ; and also to diminish their amount. The chamber therefore to receive the gage was elevated on four wooden pillars driven into the shore at low water ; and the float moved in a vertical tube also driven into the shore with holes to admit the water from below. The tide house was to be visited at low water, or in a boat at high water.

Dec. 15. Serjeant Moyes, writes : " The tide gage is finished and at work ; but I think it will be best to put a fresh paper on every day, as the tides do not range more than 7 feet at spring and 3 at neap tides ; and I think that the curves will be too much confused, if left on for the whole month. The first day it was set up I thought that it would not answer, as there was a curve traced eight inches broad, through a strong current caused by a strong S. E. wind. These currents are rare. I have however proposed a plan, which the Engineer Officer has approved of. It is to make another pipe about 4 feet long to fit over the other, and with only one row of holes pierced in it ; this is to be let down over the present pipe and close its operations when the surf is high."

A set of instruments similar to those at Aden had long been prepared for Kurrachee. No one, however, was found willing to undertake the observations there. Consequently it was proposed to send the Kurrachee anenometer to Aden to be placed on Shumsham, the highest point of Aden, 1,760 feet above the level of the sea. This having been sanctioned by Government, the anenometer arrived at Aden some time before Dec. 29^{d}.

29^{d}. Dec. Serjeant Moyes writes " From 3 P. M. of the 15th to 9 A. M. of the 16th the float caught against one of the rivets of the tube. I cannot attend to the gage as often as I wish, not having a boat, and I often have to swim to it at high tides.

The locality for the tide-gage was recommended by Capt. Haines I. N.

Table I.

Readings of Large Declination Magnetometer corrected for Torsion.

Transit Instrument		Transit Instrument		Reading Telescope.			
Readings.	Corrected Readings.	Readings.	Corrected Readings.	Readings	Corrected Readings.	Readings.	Corrected Readings.
0·000	....	26·000	26·000	....	....	21·100	21·100
1·000	....	27·000	27·004	....	....	22·100	22·104
2·000	....	28·000	28·007	....	....	23·100	23·107
3·000	....	29·000	29·011	....	....	24·100	24·011
4·000	4·077	30·000	30·014	....	....	25·100	25·014
5·000	5·074	31·000	31·018	0·100	0·174	26·100	26·018
6·000	6·070	32·000	32·021	1·100	1·170	27·100	27·021
7·000	7·066	33·000	33·024	2·100	2·166	28·100	28·024
8·000	8·063	34·000	34·028	3·100	3·163	29·100	29·028
9·000	9·059	35·000	35·031	4·100	4·159	30·100	30·031
10·000	10·056	36·000	36·035	5·100	5·156	31·100	31·035
11·000	11.053	37·000	37·039	6·100	6·153	32·100	32·039
12·000	12·050	38·000	38·042	7·100	7·150	33·100	33·042
13·000	13·046	39·000	39·046	8·100	8·146	34·100	34·046
14.000	14·042	40·000	40·050	9·100	9·142	35·100	35·050
15·000	15.039	41·000	41·053	10·100	10·139	36·100	36·053
16·000	16·035	42·000	42·056	11·100	11·135	37·100	37·056
17·000	17.031	43·000	43·059	12·100	12·131	38·100	38·059
18.000	18·028	44·000	44·063	13·100	13.128	39·100	39·063
19·000	19·024	45·000	45·066	14·100	14·124	40·100	40·066
20·000	20·021	46·000	46·070	15·100	15·121	41·100	41·070
21·000	21·018	47·000	47·074	16·100	16·118	42·100	42·074
22·000	22·014	48·000	48·077	17·100	17·114	43·100	43·077
23·000	23·011	49·000	....	18·100	18·111	44·100	....
24·000	24·007	50·000	....	19·100	19·107	45·100	....
25·000	25·004	....	....	20·100	20·104	46·100	....

TABLE II.

Distance of the axis of the Bar Magnet, in large Declination Magnetometer, from the central wire of the Transit Instruments in minutes of arc, uncorrected for Torsion or error of Transit, corresponding to Readings of Transit Instrument.

	0	1	2	3	4	5	6	7	8	9
24·000	8′·019	7′·951	7′·882	7′·814	7′·745	7′·677	7′·608	7′·540	7′·471	7′·403
24·100	7·335	7·267	7·198	7·130	7·061	6·993	6 924	6·856	6·787	6·719
24·200	6·651	6·583	6·514	6·446	6·377	6·309	6·240	6·172	6·103	6·035
24·300	5·967	5·899	5·830	5·762	5·693	5·625	5·556	5·488	5.419	5·351
24·400	5·283	5·215	5·146	5 078	5·009	4·911	4·872	4·804	4·735	4·667
24·500	4·599	4·531	4·462	4·394	4·325	4·257	4·188	4·120	4·051	3·983
24·600	3·915	3·846	3·777	3·709	3·640	3·572	3·503	3·435	3·366	3·298
24·700	3·230	3·162	3·093	3·025	2·956	2·888	2·819	2·751	2·682	2·614
24·800	2·546	2·478	2·409	2·341	2·272	2·204	2·135	2·067	1·998	1·930
24·900	1·862	1·794	1·725	1·657	1·588	1·520	1·451	1·383	1·314	1·246
25·000	1·178	1·110	1·041	0·973	0·904	0·836	0·767	0·699	0·630	0·562
25·100	0·494	0·426	0·357	0·289	0·220	0·152	0·083	0·015	0·053	0·121
25·200	0·190	0·258	0·326	0·395	0·463	0·532	0·600	0·669	0·737	0·806
25·300	0·874	0·942	1·010	1·079	1·147	1·216	1·284	1·353	1·421	1·490
25·400	1·558	1·626	1·694	1·763	1·831	1·900	1·968	2·037	2·105	2·174
25·500	2·242	2·310	2.378	2·447	2·515	2·584	2·652	2·721	2·789	2·858
25·600	2·926	2·994	3·062	3·131	3·199	3·268	3·336	3·405	3·473	3·542
25·700	3·610	3·678	3·746	3·815	3·883	3·952	4·020	4·089	4·157	4·226
25·800	4·294	4·362	4·430	4·499	4·567	4·636	4·704	4·773	4·841	4·910
25·900	4·978	5·046	5·114	5·183	5·251	5·320	5·388	5·457	5·525	5·594
26·000	5·662	5·730	5·798	5·867	5·935	6·004	6·072	6·141	6·209	6·278
26·100	6·346	6.414	6·482	6·551	6·619	6·688	6·756	6·825	6·893	6·962
26.200	7.130	7·198	7·266	7·335	7·403	7·472	7·540	7·609	7·677	7·746
26·300	7·814	7·882	7·950	8·019	8.087	8·156	8·224	8·293	8·361	8·430
26·400	8·498	8·566	8·634	8·703	8·771	8·840	8·908	8·977	9·045	9·114
26·500	9·182	9·250	9·318	9·387	9·455	9·524	9·592	9·661	9·729	9·798
26·600	9·866	9·934	10·002	10·071	10·139	10·208	10·276	10·345	10.413	10·482
26·700	10·550	10·618	10·686	10·755	10·823	10·892	10·960	11·029	11·097	11·166
26·800	11·234	11·302	11·370	11·439	11·507	11·576	11·644	11·713	11·781	11·850
26·900	11·918	11·986	12·054	12·123	12·191	12·260	12·328	12·397	12·465	12·534
27·000	12·503	12·571	12·639	12·708	12·776	12·845	12·913	12·982	13·050	13·119
27·100	13·187	13·255	13·323	13·392	13·460	13·529	13·597	13·666	13·734	13·803
27·200	13·871	13·939	14·007	14·076	14·144	14.213	14·281	14·350	14·418	14·487
27·300	14·555	14·623	14·691	14·760	14·828	14·897	14·965	15·034	15 102	15·171
27·400	15·239	15·307	15·375	15·444	15·512	15·581	15·649	15·718	15·786	15·855
27·500	15·923	15·991	16·059	16·128	16·196	16·265	16·333	16·402	16·470	16·539
27·600	16·607	16·675	16·743	16·812	16·880	16·949	17·017	17·086	17·154	17·223
27·700	17·291	17·359	17·427	17·496	17·564	17·733	17·701	17·770	17·838	17·907
27·800	17·975	18·043	18·111	18·180	18·248	18·317	18·385	18·454	18·522	18·591
27·900	18·659	18·727	18·795	18·864	18·932	19·001	19·069	19·238	19·206	19·275
28 000	19·343	19·411	19·479	19·548	19·616	19·685	19·753	19·822	19·890	19·959
28·100	20·027	20·095	20·163	20·232	20·300	20·396	20·437	20·506	20·574	20·643
28 200	20·711	20·779	20·847	20·916	20·984	21·053	21·121	21·190	21·258	21·327
28 300	21·395	21·463	21·531	21·600	21·668	21·737	21·805	21·874	21·942	22·011
28·400	22·079	22·147	22·215	22·284	22·352	22·421	22·489	22·558	22·626	22·695
28·500	22·763	22·831	22·999	22·968	23·036	23·105	22·173	23·242	23·310	23·379
28·600	23·447	23·515	23·583	23·652	23·720	23·789	23·857	23·926	23·994	24·063
28·700	24·131	24·199	24·267	24·336	24·404	24·473	24·541	24·610	24·678	24·747
28·800	24·815	24·883	24·951	25·020	25·088	25·157	25·225	25·294	25·462	25·431
28·900	25·499	25·567	25·635	25·704	25·772	25·841	25·909	25·978	26·146	26·115
28·000	26·183	27·251	26·319	26·388	26·456	26·525	26·593	26·662	26·730	26·799

Table III.

Distances of the axis of the Magnet Bar, of the Large Declination Magnetometer, from the central wire of the Transit, corrected for Torsion, corresponding to Readings of the Transit Instrument.

Transit Reading.	0	1	2	3	4	5	6	7	8	9
24·000	-8·073	-8·105	-7·935	-7·867	-7·797	-7·728	-7·660	-7·591	-7·522	-7·454
24·100	7·385	7·317	7·248	7·180	7·111	7·042	6·973	6·905	6·836	6·768
24·200	6·699	6·631	6·562	6·494	6·425	6·356	6·287	6·219	6·150	6·082
24.300	6·013	5·945	5·876	5·807	5·738	5·670	5·600	5·532	5·463	5·395
24·400	5·326	5·258	5·189	5·121	5·052	4·984	4·914	4·846	4·777	4·709
24·500	4·640	4·572	4·502	4·434	4·365	4·296	4·227	4·158	4·089	4·021
24·600	3·952	3·883	3·814	3·746	3·677	3·608	3·539	3·471	3·402	3·334
24·700	3·265	3·197	3·128	3·059	2·990	2·922	2·852	2·784	2·715	2·647
24·800	2·578	2·510	2.441	2·373	2·304	2·235	2·166	2·098	2·029	1·961
24·900	1·892	1·824	1·755	1·686	1·617	1·549	1·479	1·411	1·342	1·274
25·000	1·205	1·137	1·067	0·999	0·930	0·861	0·792	0·723	0·654	0·586
25·100	-0·517	-0·449	-0.380	-0·312	-0·243	-0·174	-0·105	-0·037	+0·032	+0·100
25·200	+0·169	+0·237	+0·305	+0·374	+0·442	+0·512	+0·580	+0·649	+0·717	+0·786
25·300	0·855	0·923	0·991	1·061	1·129	1·198	1·267	1·336	1·404	0·473
25·400	1·542	1·610	1·678	1·747	1·815	1·885	1·943	2·022	2·090	2·159
25·500	2·228	2·296	2·355	2·434	2·502	2.572	2·640	2·710	2·778	2·847
25·600	2·916	2·984	3·052	3·121	3·189	3·259	3·327	3·396	3·464	3·533
25·700	3·602	3.670	3·738	3·808	3·876	3·945	4·013	4·083	4·151	4·220
25.800	4·289	4·357	4·425	4·494	4·562	5·632	4·700	4·769	4·837	4·906
25·900	4·975	5·043	5·111	5·181	5.249	5·318	5·386	5·456	5·524	5·593
26·000	5·662	5·730	5·799	5·868	5·937	6·006	6·075	6·144	6·213	6·282
26·100	6·351	6·419	6·487	6·556	6·625	6·694	6·762	6·832	6·900	6·969
36·200	7·038	7·106	7·174	7·243	7·311	7·381	7·449	7·518	7·586	7·655
26·300	7·724	7·792	7·860	7·930	7·998	8·067	8.136	8·205	8·274	8·343
26·400	8.412	8·480	8·548	8·617	8·685	8·755	8·823	8·892	8·960	9·029
26·500	9·098	9·166	9·234	9·303	9·372	9·441	9·509	9·579	9·647	9·716
26·600	9·785	9·853	9·921	9·990	10·058	10·128	10·196	10·265	10·333	10·400
26·700	10·471	10·539	10·607	10·676	10·744	10·814	10·882	10·951	11·019	11·880
26·800	11·157	11·225	11·393	11·363	11·431	11·501	11·569	11·639	11·707	11·776
26·900	11·845	11·913	11·981	12·050	12·119	12·188	11·256	12·326	12·394	12·463
27·000	12·533	12·601	12·669	12·738	12·806	12·876	12·944	13·013	13.081	13·150
27·100	13·219	13·287	13·355	13·425	13·493	13·562	13·630	13·700	13·768	13·837
27·200	13·906	13·974	14·042	14·111	14·179	14·249	14·317	14·386	14·454	14·523
27·300	14·592	14·660	14·728	14·798	14·867	14·936	15·004	15·074	15·142	15·211
27·400	15·280	15·348	15·416	15·485	15·553	15·623	15·691	15·760	15·828	15·897
27·500	15·966	16·034	16·102	16·172	16·240	16·309	16·378	16·447	16·515	16·584
27·600	16·653	16·721	16·789	16·858	16·926	16·996	17·064	17·133	17·201	17·270
27·700	17·339	17·407	17·475	17 544	17·612	17·682	17·750	17·819	17·887	17·956
27.800	18·025	18·093	18·162	18·231	18·289	18·369	18·437	18·507	18·575	18·644
27·900	18·713	18·781	18·849	18·919	18·987	19·056	19·124	19·194	19·262	19·331
28·000	19·400	19·468	19·536	19·605	19·673	19·743	19·811	19·880	19·948	20·017
28·100	20·086	20·154	20·222	20·292	20·360	20·429	20·497	20·567	20·635	20·704
28·200	20·773	20·841	20·909	20·978	21·046	21·116	21·184	21·253	21·321	21·390
28·300	21·459	21·527	21·595	21·665	21·733	21·803	21·871	21·941	22·009	22·078
28·400	22·147	22·215	22·283	22·352	22·420	22·490	22·558	22·627	22·695	22·764
28·500	22·833	22·901	22·969	23·039	23·107	23·176	23·244	23·314	23·382	23·451
28·600	23·520	23·588	23·656	23·725	23·793	23·863	23·931	24·000	24·068	24·137
28·700	24·206	24·274	24·363	24·411	24·479	24·549	24·617	24·686	24·754	24·823
28·800	24·892	24·960	25·029	25·098	25·167	25·236	25·305	25·374	25·443	25·512
28·900	+25·581	+25·649	+25·717	+25·786	+25·854	+25·923	+25·991	+26·060	+26·128	+26·197
29·000										

— West declination. + East declination.

TABLE IV.

Comparative Scale Readings of large and small Instruments.

Gottingen Mean Time.	Large Declination. Means.	Small Declination No. III.		Large Horizontal Force Means.	Thermometer.	Small Horizontal Force.		Thermometer.	Induction Inclinometer.		Small Declinometer. No. I.		Diff. between Large Decl. & Small Declinometer No. III.	Difference between large and small H. F.	Observer.
		Readings	Means.			Readings.	Means.		Readings.	Means.	Readings.	Means.			
24 AUGUST, 1845.															
H.M.		20·48				14·20			13·90		95.70				
0·0	27·220	20·50	20·490	24·480	84°6	14·21	14·205	82°0	13·90	13·900	95·74	95·720	+6·730	+10·275	D.
		20·48				14·20			13·90		95·70				
		20·40				14·40			13·98		95·70				
1·0	27·200	20·44	20·420	24·510	83·8	14·40	14·400	81·2	13·98	13·980	95·70	95·700	+6·780	+10·110	D.
		20·40				14.40			13·98		95·70				
		20·31				14·60			13·92		95·60				
2·0	27·150	20·31	20·310	24·610	83·0	14·59	14·595	80·7	13·92	13·920	95·58	95·590	+6·840	+10·015	D.
		20·31				14·60			13·92		95·60				
		20·20				14·80			13·90		95·50				
3·0	27·150	20·30	20·250	24·800	82·2	14·80	14·800	79·9	13·90	13·900	95·50	95·500	+6·900	+10·000	D.
		20·20				14·80			13·90		95.50				
		20·30				14·80			13·90		95·50				
4·0	27·120	20·28	20·290	24·825	82·2	14·70	14·750	79·8	13·90	13·900	95·50	95·500	+6·830	+10·075	D.
		20·30				14·80			13·90		95·50				
		20 30				14·70			13·92		95·50				
5·0	27·150	20·28	20·290	24·880	81·9	14·80	14·750	79·4	13·92	13·920	95·50	95·500	+6·860	+10·130	G.
		20·30				14·70			13·92		95·50				
		20·26				14·80			13·92		95·50				
6·0	27·125	20·30	20.280	24·825	81·5	14·82	14·810	79·4	13·92	13·920	95·50	95·500	+6·845	+10·015	G.
		20·26				14·80			13·92		95·50				
		20·29				15·08			13·93		95·50				
7·0	27·145	20·30	20·295	25·095	81·3	15·08	15·080	78·8	13·93	13·930	95·50	95·500	+6·850	+ 9.975	G.
		20·29				15·08			13·93		95·50				
		20·30				15·10			13·93		95·50				
8·0	27·150	20·30	20·300	25·250	80·6	15·00	15·050	78·4	13·94	13·935	95·51	95·505	+6·850	+10·200	G.
		20·30				15·10			13·93		95·50				
		20·30				15·10			13·90		95·50				
9·0	26·750	20·30	20·300	25·287	80·7	15·10	15·100	78·8	13·92	13·910	05·50	95·500	+6·450	+10·187	A.
		20·30				15·10			13·90		95·50				
		20·30				15·10			13·91		95·50				
10·0	26·895	20·35	20·325	25·215	80·7	15·00	15·047	78·6	13·94	13·925	95·50	95·500	+6·570	+10·168	A.
		20·30				15·09			13·91		95·50				
		20·30				15·23			13·93		95·50				
11·0	26·850	20·39	20·345	25·475	80·5	15·19	15.210	78·2	13·92	13·925	95·50	95·500	+6·505	+10·265	A.
		20·30				15·23			13·93		95·50				
		20·31				15·10			13·93		95.50				
12·0	26·900	20·39	20·350	25·375	79·8	15·00	15·050	78·0	13·91	13·920	95·51	95·510	+6·550	+10·325	A.
		20·31				15·10			13.93		95·50				
		20·40				15·20			14·04		95·60				
13·0	27·100	20·40	20·400	25·585	80·1	15·20	15·200	78·0	14·04	14·040	95·60	95·600	+6·700	+10·380	D.
		20·40				15·20			14·04		95·60				
		20·60				15·10			14·00		95·80				
14·0	27.190	20·60	20·600	25·580	80·0	15·12	15·110	78·6	14·00	14·000	95·80	95·800	+6·590	+10·470	D.
		20 60				15·10			14·00		95·80				

Table IV.

Comparative Scale Readings of large and small Instruments.

Göttingen Mean Time.	Large Declination. Means.	Small Declination No. III.		Large Horizontal Force Means.	Thermometer.	Small Horizontal Force.		Thermometer.	Induction Inclinometer.		Small Declinometer No. 1.		Diff. between Large Decl. & Small Declinometer No. III.	Difference between large and small H. F.	Observer.
		Readings.	Means.			Readings.	Means.		Readings.	Means.	Readings.	Means.			
24th AUGUST, 1845.															
H. M.		20 68				14·90			14·06		99·00				
15·0	27·300	20·76	20·720	25·500	81°0	15·00	14·950	79°0	14·04	14·050	95·98	95·990	+6·580	+10·550	D.
		20·68				14·90			14·06		99·00				
		20·60				14·94			14·00		95·82				
16·0	27·210	20·62	20·610	25·550	82·0	14·90	14·920	80·6	14·00	14·000	95·86	95·840	+6·600	+10·630	D.
		20·60				14·94			13·93		95·82				
		20·50				15·15			13·93		95·70				
17·0	26·912	20·40	20·450	25·700	83·0	15·20	15·175	81·6	13·93	13·930	95·60	95·650	+6·462	+10·525	G.
		20·50				15·15			13·83		95·70				
		20·20				15·30			13·84		95·40				
18·0	27·300	20·22	20·210	25·550	84·0	15·12	15·210	81·4	13·83	13·835	95·40	95·400	+7 090	+10·340	G.
		20·20				15·30			13·76		95 40				
		20·10				15·30			13·76		95·15				
19·0	27·110	20·08	20·090	25·550	84·4	15·31	15·305	82·4	13·76	13·760	95·20	95·175	+7·020	+10·245	G.
		20·10				15·30			13·77		95·15				
		20·10				15·22			13·77		95·10				
20·0	27·080	20·00	20·050	25·440	85·3	15·24	15·230	82·6	13·77	13·770	95·11	95·105	+7·030	+10·210	G.
		20·10				15·22			13·80		95·10				
		20·00				15·10			13·80		95.20				
21·0	27·150	20·00	20·000	25·295	85·7	15·10	15·100	83·1	13·80	13·800	95·20	85·197	+7.150	+10·195	A.
		20·00				15·10			13·90		95·19				
		20·20				14·90			13·90		95·48				
22·0	27·305	20·25	20·225	25·085	86·0	14·89	14·895	83·2	13·90	13·900	95·50	95·490	+7·080	+10·190	A.
		20·20				14·90			13·92		95·48				
		20·30				14·70			13·95		95·60				
23·0	27·105	20·40	20·350	24·868	86·0	14·65	14·675	82·7	13.92	13·935	95·61	95·605	+6·755	+10·185	A.
		20·30				14·70					95·60				
25th AUGUST 1845.															
		20·50				14·40			14·00		95·80				
0·0	27·250	20 43	20·465	24·627	85·7	14·50	14·450	82·2	14·00	14·000	95·80	95·800	+6·785	+10·177	A.
		20·50				14·40			14·00		95·80				
		20·40				15·00			14·00		95·80				
1·0	27·275	20·40	20·400	24·465	84·8	13·78	14·390	82·0	14·00	14·000	95·60	95·700	+6·875	+10·075	D.
		20·40				15·00			14·00		95·80				
		20·20				14·70			13·90		95·50				
2·0	27·050	20·30	20·250	24·620	83·0	14·69	14·695	81·0	13·90	13·900	95·50	95·500	+6·800	+ 9·925	D.
		20·20				14·70			13·90		95·50				
		20·20				14·52			13·90		95·50				
3·0	27·070	20·20	20·200	24·770	82·9	14·52	14·520	80·6	13·90	13·900	95·50	95·500	+6·870	+10·250	D.
		20·20				14·52			13·90		95·50				
		20·20				14·60			13·90		95 40				
4·0	27.050	20·20	20·200	24·720	82·7	14·60	14·600	80·2	13·90	13·900	95·42	95·410	+6·850	+10·120	D.
		20·20				14·60			13.90		95·40				
		20·20				14·92			13·90		95·50				
5·0	27·040	20 20	20·200	24·955	82·3	14·90	14·910	80·0	13·90	13·900	95·49	95·495	+6·840	+10·045	G.
		20·20				14·92			13·90		95·50				

TABLE IV.

Comparative Scale Readings of large and small Instruments.

Gottingen Mean Time	Large Declination. Means.	Small Declination No. III.		Large Horizontal Force Means.	Thermometer.	Small Horizontal Force.		Thermometer.	Induction. Inclinometer.		Small Declinometer No. I.		Diff. between Large Decl. & Small Declinometer No. III.	Difference between large and small H. F.	Observer.
		Readings.	Means.			Readings.	Means.		Readings.	Means.	Readings.	Means.			
						25th AUGUST 1845.									
H. M.		20·20				14·95			13·90		95·50				
6·0	27·250	20·22	20·210	25·070	81°·9	15·00	14·975	79°·6	13·91	13·905	95·50	95·500	+7·040	+10·095	G.
		20·20				14·95			13·90		95·50				
		20·22				15·02			13·90		95·41				
7·0	27·210	20·20	20·210	25·150	81·6	15·00	15·010	79·2	13·90	13·900	95·50	95·455	+7·000	+10·140	G.
		20·22				15·02			13·90		95·41				
		20·20				14·95			13·90		95·41				
8·0	27·200	20·21	20.205	25·127	81·5	14·98	14·965	79·0	13·90	13·900	95·48	95·445	+6·995	+10·162	G.
		20·20				14·95			13·90		95·41				
		20·20				14·90			13·90		95·50				
9·0	27·200	20·30	20·250	25·245	81·3	14·90	14·900	79·0	13·90	13·900	95·50	95 500	+6·950	+10·345	D.
		20·20				14·90			13·90		95·50				
		20·30				15·10			13·90		95·50				
10·0	27·235	20·28	20·290	25·280	81·0	15·10	15·100	79·0	13·90	13·900	95 50	95·500	+6·945	+10·180	D.
		20·30				15·10			13·90		95.50				
		20·30				15·20			13·90		95·50				
11·0	27·250	20·30	20·300	25·450	81·0	15·20	15·210	78·8	13·90	13·900	95·52	95·510	+6·950	+10·240	D.
		20·30				15·20			13·90		95·50				
		20·30				15·40			13·90		95·50				
12·0	27·250	20·30	20·300	25·520	80·9	15·42	15·410	78·6	13·90	13·900	95·50	95·500	+6·950	+10·110	D.
		20·30				15·40			13·90		95·50				
		20·40				15·10			13·93		95·60				
13.0	26·950	20·33	20·365	25·475	80·9	15·07	15·085	78·3	13·90	13·915	95·59	95·595	+6·585	+10·390	A.
		20·40				15·10			13·93		95·60				
		20·60				15·23			14·00		95·80				
14·0	27·302	20·53	20·565	25·600	80·8	15·09	15·160	78·0	14·00	14·000	95·85	95·825	+6·737	+10·440	A.
		20·60				15·23			14·00		95·80				
		20·70				15·28			14·10		96·05				
15·0	27·470	20·72	20·710	25·522	81·0	15·30	15·290	79·3	14·07	14·085	96·00	96·025	+6·760	+10·232	A.
		20·70				15·28			14·10		96·05				
		20·70				15·50			14·10		96·00				
16·0	27·460	20·65	20·675	25·950	82·0	15·53	15·515	80·0	14·07	14·085	96·00	96·000	+6·785	+10·435	A.
		20·70				15·50			14·10		96 00				
		20·30				15·92			13·91		95·50				
17·0	26·945	20·32	20·310	26·315	82·6	15·98	15·950	80·0	13·91	13·910	95·50	95·500	+6.635	+10.365	G.
		20·30				15·92			13·91		95·50				
		19·85				16·48			13·70		94·99				
18·0	26·540	19·90	19·875	26·615	83·8	16·49	16·485	80.6	13·70	13·700	95·00	94·995	+6·665	+10·130	G.
		19.85				16·48			13·70		94·99				
		19·62				16·62			13·62		94·70				
19·0	26·300	19·62	19·620	26·715	84·5	16·60	16·610	81·0	13 62	13·620	94·70	94·700	+6·680	+10·105	G.
		19·62				16·62			13·62		94·70				
		19·60				16·79			13·61		94·72				
20·0	26·232	19·60	19·600	26.630	85·2	16·74	16·765	81·4	13·61	13·610	94·80	94·760	+6·632	+ 9·865	G.
		19·60				16·79			13·61		94·72				
		19·70				16·66			13·65		94·90				
21·0	26·250	19·70	19·700	26·450	84·8	16·68	16·670	81·8	13·65	13·650	94·86	94·880	+6·550	+ 9·780	D.
		19·70				16·66			13·65		94·90				

TABLE IV.

Comparative Scale Readings of large and small Instruments.

Gottingen Mean Time.	Large Declination Means.	Small Declination No. III.		Large Horizontal Force Means.	Thermometer.	Smal Horizontal Force.		Thermometer.	Induction Inclinometer.		Small Declinometer No. I.		Diff. between Large Decl. & Small Declinometer No. III.	Difference between large and small H. F.	Observer.
		Readings.	Means.			Readings.	Means.		Readings.	Means.	Readings.	Means.			
25th AUGUST 1845.															
H. M.		19·80				16·60			13·70		95.00				
22·0	26·680	19·80	19·800	26·400	85·0	16·64	16·620	81°·9	13·70	13·700	95·00	95·000	+6·880	+ 9·780	D.
		19·80				16·60			13·70		95·00				
		19·98				16·20			13·80		95·20				
23·0	26·860	19·92	19·950	26·125	85·0	16·20	16·200	82·0	13·80	13·800	95·20	95·200	+6.910	+ 9·925	D.
		19·98				16·20			13·80		95·20				
26th AUGUST 1845.															
		20·20				15·60			13·90		95·50				
0·0	27·070	20·20	20·200	25·550	85·0	15·64	15·620	82·0	13·90	13·900	95·50	95·500	+6·870	+ 9·930	D.
		20·20				15·60			13·90		95·50				
		20·30				15·40			13·90		95·60				
1·0	27·100	20·20	20·250	25·200	84·9	15·50	15·450	82·0	13·93	13·915	95·60	95·600	+6·850	+ 9·750	A.
		20·30				15·40			13·90		95·60				
		20·20				15·20			13·90		95·50				
2·0	26·845	20·15	20·175	25·282	83·7	15·21	15·205	81·8	13·90	13·900	95·48	95·490	+6·670	+10·077	A.
		20·20				15·20			13·90		95·50				
		19·40				15·70			13·88		95·40				
3·0	26·755	19·40	19·400	25·290	83·0	15·68	15·690	80·0	13·90	13·890	95·40	95·400	+7·355	+ 9·600	A.
		19·40				15·70			13·88		95·40				
		19·50				14·70			13·90		95·50				
4·0	26·860	19·50	19·500	24·575	82·0	14·68	14·690	80·0	13·90	13·900	95·50	95·500	+7·360	+ 9.885	A.
		19·50				14·70			13·90		95·50				
		19·70				13·80			14·00		95·70				
5·0	26·987	19·70	19·700	24·055	81·8	13·75	14·775	79·4	14·00	14·000	95·78	95·740	+7·287	+10·280	G.
		19·70				13·80			14·00		95·70				
		19·60				14·40			13·96		95·70				
6·0	26·930	19·61	19·605	24·225	81·5	14·30	14·350	78·8	13·95	13·955	95·69	95·695	+7·325	+ 9·875	G.
		19·60				14·40			13·96		95·70				
		19·69				14·70			13·97		95·70				
7·0	27·187	19·70	19·695	24·550	81·3	14·65	14·675	78·8	13·98	13·975	95·70	95·700	+7·492	+ 9·875	G.
		19·69				14·70			13·97		95·70				
		19·60				14·60			13·93		95·69				
8·0	27·430	19·60	19·600	24·792	81·0	14·68	14·640	78·5	13·93	13·930	95·65	95.670	+7.830	+10·152	G.
		19·60				14·60			13·93		95·69				
		19·68				14·60			13·94		95·70				
9·0	27·440	19·66	19·670	24·935	81·0	14·60	14·600	78·6	13·94	13·940	95·70	95·700	+7·770	+10·335	D.
		19·68				14·60			13·94		95·70				
		19·60				14·80			13·92		95·70				
10·0	27·395	19·62	19·610	25·100	80·8	14·80	14·800	78.6	13·92	13·920	95·68	95·690	+7·785	+10·300	D.
		19·60				14·80			13·92		95·70				
		19·60				14·90			13·90		95·66				
11·0	27·430	19·62	19·610	25·130	80·8	14·88	14·890	78·6	14·00	13·950	95·70	95·680	+7·820	+10·240	D.
		19·60				14·90			13·90		95·60				
		19·70				14·70			13·94		95·70				
12·0	28·430	19·68	19·690	25·025	80·8	14·80	14·750	78·2	13·94	13·940	95·70	95·700	+7·740	+10·275	D.
		19·70				14·70			13·94		95·70				

TABLE IV.

Comparative Scale Readings of large and small Instruments.

Gottingen Mean Time.	Large Declinometer Means.	Small Declinometer No. III.		Large Horizontal Force Means.	Thermometer.	Small Horizontal Force.		Thermometer.	Induction. Inclinometer.		Small Declinometer No. I.		Diff. between Large Decl. & Small Declinometer No. III.	Difference between large and small H. F.	Observer.
		Readings.	Means.			Readings.	Means.		Readings.	Means.	Readings.	Means.			
						26th AUGUST 1845.									
H M.		19·70				14.70			14·00		95·80				
13·0	27·127	19·72	19·710	24·950	80°·7	14·80	14·750	78°·2	14·00	14·000	95·80	95·800	+7·417	+10·200	A.
		19·70				14·70			14·00		95·80				
		19·90				14·70			14·02		96·00				
14·0	27·250	19·90	19·900	25·055	80·7	14·71	14.705	78·0	14·00	14·010	96·00	96·000	+7·350	+10·350	A.
		19·90				14·70			14·02		96·00				
		19·95				14·70			14·07		96·00				
15·0	27·285	19·90	19·925	25·075	81·0	14·70	14·700	78·0	14·05	14·060	96·00	96·000	+7·360	+10 375	A.
		19·95				14·70			14·07		96·00				
		19·80				14·80			14·00		95·90				
16·0	27·180	19·82	19·810	25·160	81·8	14.81	14·805	79·0	14·00	14·000	95·91	95·905	+7·370	+10·355	A.
		19·80				14·80			14·00		95·90				
		19·58				15·20			13·85		95·50				
17·0	27.325	19·52	19·550	25·450	83·0	15·30	15·250	79·0	13·87	13·860	95·50	95·500	+7·775	+10·200	G.
		19·58				15·20			13·85		95·50				
		19·20				15·10			13·70		95·10				
18·0	27·010	19·20	19·200	25·442	83·4	15·05	15·075	79·8	13·70	13·700	95·10	95·100	+7·810	+10·367	G.
		19·20				15·10			13·70		95·10				
		19·01				14·90			13·62		94·90				
19·0	26·842	19·01	19·010	25·375	84·4	14·94	14·920	80·6	13·62	13·620	94·90	94·900	+7·832	+10·455	C.
		19·01				14·90			13·62		94·90				
		19·10				14 70			13·65		95·00				
20·0	26·850	19·10	19·100	25·110	85·0	14·72	14·710	81·0	13·66	13·655	95·00	95·000	+7·750	+10·400	G.
		19·10				14·70			13·65		95·00				
		19·10				14·60			13·69		95·01				
21·0	26·890	19·10	19·100	25·090	85·3	14·62	14·610	82·0	13·69	13·690	95·01	95·010	+7·790	+10·480	D.
		19·10				14·60			13·69		95·01				
		19·20				14·52			13·71		95·11				
22·0	26·990	19·28	19·190	24·890	85·5	14·54	14·530	82·5	13·71	13·710	95·11	95·110	+7·800	+10·560	D.
		19·20				14·52			13·71		95·11				
		19·32				14·34			13·80		95·30				
23·0	26·600	19·34	19·330	24·710	85·3	14·36	14·350	82·6	13·80	13·800	95·32	95·310	+7·270	+10·360	D.
		19·32				14·34			13·80		95·30				
						28th AUGUST 1845.									
		19·78				14·31			13·90		95·60				
0·0	27·160	19·78	19·780	24·920	84·9	14·21	14·260	82·8	13·90	13·900	65·62	95·610	+7·380	+10·660	D.
		19·78				14·31			13·90		95·60				
		19·75				14·50			13·92		95·60				
1·0	27·192	19·73	19·725	24·965	84·7	14·40	14·450	82·2	13·90	13·910	95·60	95·600	+7·467	+10·515	A.
		19·75				14·50			12 92		95·60				
		19·60				14·60			13·90		95·40				
2·0	27·050	19·60	19·600	25·100	83·5	14·65	14·625	82·0	13·89	13·895	95·41	95·405	+7·450	+10·475	A.
		19.60				14·60			13·90		95·40				
		19·60				14·69			13·88		95·40				

TABLE IV.

Comparative Scale Readings of large and small Instruments.

Gottingen Mean Time.	Large Declination Means	Small Declination No. III.		Large Horizontal Force Means.	Thermometer.	Small Horizontal Force.		Thermometer.	Induction. Inclinometer.		Small Declinometer No. 1.		Diff. between Large Decl. & Small Declinometer No. III.	Difference between large and small H. F.	Observer.
		Readings.	Means.			Readings.	Means.		Readings.	Means.	Readings.	Means.			
H. M.						28th AUGUST 1845.									
3·0	27·000	19 59	19·595	25·075	83°·0	14·71	14·700	81°·8	13·89	13·895	95·40	95·400	+7·405	+10·375	A.
		19·60				14.69			13·88		95·40				
		19·60				14·72			13·88		95·40				
4·0	27·000	19·58	19·590	25·250	82·7	14·70	14·710	81·0	13·87	13·875	95·40	95·400	+7·410	+10·540	A.
		19·60				14·72			13·88		95·40				
		19·60				14·78			13·89		95.40				
5·0	27·032	19·58	19·590	25·290	82·2	14·62	14·700	80·4	13·88	13·885	95·45	95·425	+7·442	+10·590	G.
		19·62				14·78			13·89		95·40				
		19·60				14·69			13·90		95·50				
6·0	27·072	19·62	19·610	25·335	81·8	14·70	14·695	80·0	13·90	13·900	95·49	95·495	+7·462	+10·640	G.
		19·60				14·69			13·90		95·50				
		19·62				14·73			13·91		95·50				
7·0	27·097	19.67	19·650	25·435	81·6	14·70	14·715	79·6	13·90	13·905	95·50	95·500	+7·447	+10·720	G.
		19·62				14·73			13·91		95·50				
		19·70				14·90			13·91		95·54				
8·0	27·090	19·68	19·690	25·510	81·4	14·91	14·905	79·4	13·91	13·910	95·52	95·530	+7·400	+10·605	G.
		19·70				14·90			13·91		95·54				
		19·77				14·72			13·94		95·60				
9·0	27·150	19·73	19·750	25·470	81 3	14·68	14·700	79·2	13·93	13·935	95·59	95·595	+7·400	+10·700	G.
		19·77				14·72			13·94		95·60				
		19·70				14·70			13·91		95·50				
10·0	27·055	19·69	19·695	25·247	81·2	14·59	14·645	79·0	13·91	13·910	95·53	95·515	+7·360	+10·602	G.
		19·70				14·70			13·91		95·50				
		19·70				14·70			13·90		95·60				
11·0	27·150	19·70	19.700	25·450	81·1	14·49	14·695	79·2	13·90	13·900	95·55	95·575	+7·450	+10·755	A,
		19·70				14·70			13·90		95·60				
		19·70				14·88			13·90		95·52				
12·0	27·100	19·70	19·700	25·555	81·0	14·90	14·890	79·5	13·90	13·900	95·50	95·510	+7·400	+10·665	A.
		19·70				14·88			13·90		95·52				
		19·80				14·70			13·93		95·70				
13·0	27·225	19·80	19·800	25·505	81·0	14·72	14·710	78·9	13·90	13·915	95·68	95·690	+7·425	+10·795	A.
		19·80				14·70			13·93		95·70				
		20·03				14·65			14·05		95·90				
14·0	27·465	20·00	20·015	25·480	80·9	14·70	14·675	78·4	14·04	14·045	95·92	95·910	+7·450	+10·805	A.
		20·03				14·65			14·05		95·90				
		20·10				14·50			14·10		95·02				
15·0	27·482	20·10	20·100	25·425	81·3	14·47	14·485	79·0	14·07	14·085	95·00	95·010	+7·382	+10·940	A.
		20·10				14·50			14·10		95·02				
		19·90				14·60			14·00		95·81				
16·0	27·370	19·90	19·800	25·450	82·0	14·60	14·600	79·6	14·00	14·000	95·85	95·830	+7·470	+10·850	A.
		19·90				14·60			14·00		95·81				
		19·70				14·70			13·90		95·60				
17·0	27·172	19·70	19·700	25·647	82·7	14·77	14·735	79·4	13·90	13·900	95·60	95·600	+7·472	+10·912	G.
		19·70				14.70			13·90		95·60				
		19·52				15·04			13·80		95.40				
18·0	27·000	19·51	19·515	25·777	82·9	15·09	15·065	80·0	13·80	13·800	95·39	95·395	+7·485	+10·712	G.
		19·52				15·04			13.80		95·40				

TABLE IV.

Comparative Scale Readings of large and small Instruments.

Gottingen Mean Time.	Large Declination. Means.	Small Declination No. III.		Large Horizontal Force Means.	Thermometer.	Small Horizontal Force.		Thermometer.	Induction Inclinometer.		Small Declinometer No. I.		Diff. between Large Decl. & Small Declinometer No. III.	Difference between large and small H. F.	Observer.
		Readings.	Means.			Readings.	Means.		Readings.	Means.	Readings.	Means.			
28th AUGUST 1845.															
H. M.		19·30				15·50			13·63		95·09				
19·0	26·780	19·30	19·300	26·160	83°·3	15·50	15·500	80°·6	13·63	13·630	95·10	95·070	+7·480	+10·660	G.
		19 30				15·50			13·63		95·09				
		19·28				15.13			13·63		95.09				
20·0	26·750	19·30	19·290	25·935	83·8	15·11	15·117	81·4	13·64	13·635	95·09	95·090	+7·460	+10·818	G.
		18·28				15·12			13·63		95·09				
		19·30				15·06			13·66		95·10				
21·0	26·770	19·30	19·300	25·680	83·5	15·04	15·050	81·4	13·66	13·660	95·12	95·110	+7·470	+10·630	D·
		19·30				15·06			13·66		95·10				
		19·50				14·90			13·74		95·36				
22·0	26·930	19·50	19·500	25·610	83·8	14·92	14 910	81·8	13·74	13·740	95·38	95·370	+7·430	+10·700	D.
		19·50				14·90			13·74		95·36				
		19·70				14·56			13·81		95·60				
23.0	27·130	19·70	19·700	25·400	84·0	14.58	14·570	82·0	13 81	13·810	95·60	95·600	+7·430	+10·830	D.
		19 70				14·56			13·81		95·60				

TABLE V.

Comparison of large and small Declinometers in Arc.

24th AUGUST, 1845.					25th AUGUST, 1845.				
Date G.M.T.	Declination.		Induction Inclinometer.	Small Declinometer No. I.	Date G.M.T.	Declination.		Induction Inclinometer.	Small Declinometer. No. I.
	Large. No. 1.	Small. No. III.				Large No. 1.	Small No. III.		
H.					H.				
0·0	14′04	15′24	12′93	19′34	0·0	14′25	15′06	14′37	19′76
1·0	13·91	14·81	14·08	19·24	1·0	14·39	14·69	14·37	19·24
2·0	13·56	14·14	13·22	18·67	2·0	12·88	13·77	12·93	18.20
3·0	13·56	13·77	12·93	18·20	3·0	13·01	13·46	12·93	18·20
4·0	13·36	14·01	12·93	18·20	4·0	12·88	13·46	12·93	17·73
5·0	13·56	14·01	13·22	18·20	5·0	12·81	13·46	12·93	18·15
6·0	13·36	13·95	13·22	18·20	6·0	14·25	13·52	12·93	18·20
7·0	13·49	14·01	13·36	18·20	7·0	13·97	13·52	12·93	17 94
8·0	13·56	14·08	13·96	18·20	8·0	13·91	13·46	12·93	17·89
9·0	10·81	14·08	13 07	18·20	9·0	13·91	13·77	12·93	18·20
10·0	11·78	14·20	13·22	18·20	10·0	14·11	14·01	12·93	18·20
11·0	11·50	14·33	13·22	18·20	11·0	14·25	14·08	12·93	18·25
12·0	11·85	14·39	13·22	18·25	12·0	14·25	14·08	12·93	18·20
13·0	13·22	14·69	14·95	18·72	13·0	12·19	14·45	13·07	18·67
14·0	14·84	15·30	14·37	19·76	14·0	14·59	15·67	14·37	19·87
15·0	14·59	16·64	15·09	20·75	15·0	15·76	16·58	15·52	20·90
16·0	13·97	15·97	14·37	19·98	16·0	15·69	16·34	15·52	20·80
17·0	11·91	15·00	13·36	18·98	17·0	12·12	14·14	13·07	18·20
18·0	14·59	13·52	11·93	17·68	18·0	9·37	11·45	10·06	15·55
19·0	13·29	12·79	10·92	16·48	19·0	7.72	9·91	8·91	14·04
20·0	13·08	12·55	11·07	16·12	20·0	7·24	9·19	8·76	14·35
21·0	13.56	12·24	11.50	16·59	21·0	7·38	10·02	9·34	14·98
22·0	14·59	13·58	12·93	18·15	22·0	10·33	10·02	10·06	15·60
23·0	13·22	14·39	13·36	18·72	23·0	11·57	11·02	11·50	16·64

TABLE V.

Comparison of Large and Small Declinometers in Arc.

26th AUGUST, 1845.

Date G.M.T.	Declination.		Induction Inclinometer.	Small Declinometer. No. I.	Date G.M.T.	Declination.		Induction Inclinometer	Small Declinometer. No. I.
	Large.	Small No. III.				Large.	Small No. III.		
H.					H.				
0·0	13′01	13′46	12′93	18′20	12·0	15′49	10′34	13′51	19′24
1·0	13·22	13·77	13·07	18·72	13·0	13·36	10·46	14·37	19.76
2·0	11.43	13·28	12·93	18·15	14·0	14·25	11·63	14·51	20·80
3·0	10·81	8·57	12·79	17·68	15·0	14·45	11·75	15·23	20·80
4·0	11·57	9.18	12·93	18.20	16·0	13·77	11·08	14·37	20·28
5·0	12·39	10·40	14·37	19·45	17·0	14·73	9.49	12·36	18·20
6·0	12·05	9·79	13·65	19·19	18·0	12·60	7·34	10·06	16·12
7·0	13·77	10·34	13·94	19·24	19·0	11·43	6·18	8·91	15·08
8·0	15·49	9.79	13·36	19·08	20·0	11·50	6·73	9·34	15·60
9·0	15·55	10·22	13·51	19·24	21·0	11·78	6·73	9·91	15·65
10·0	15·21	9·85	13·22	19·19	22·0	12·46	7·28	10·20	16·17
11·0	15.49	9·85	13·65	19·14	23·0	9 78	8·13	11·50	17·21

28th AUGUST 1845.

G.M.T.	Declination.		Induction. Inclinometer.	Small Declinometer. No. I.	Small Decl. No. II.		Induction		Small No. 1.	
	Large.	Small.			Diff. from Large.	Diff. from Mean Diff.	Difference from 1.	Diff. from Mean Diff.	Diff. from Large Diff	Diff. from Mean Diff.
H.										
0·0	13′63	10′89	12′93	18′77	–2′74	–0′28	–0′70	+0′13	+5′14	–0′08
1·0	13·84	10.52	13·07	18·72	–3·32	+0·30	–0·77	+0·20	+4·88	+0·18
2·0	12·88	9·79	12·79	17·68	–3·09	+0·07	–0·09	–0·48	+4·80	+0·26
3·0	12·53	9·73	12·79	17·68	–2·80	–0·22	+0·26	–0·83	+5·15	–0·09
4·0	12·53	9·73	12·51	17·68	–2·80	–0·22	–0·02	–0·55	+5·25	–0·19
5·0	12·74	9·73	12·65	17·78	–3·01	–0·01	–0·09	–0·48	+5·04	+0·02
6·0	13·01	9·85	12·93	18·15	–3·16	+0·14	–0·08	–0·49	+5·14	–0·08
7·0	13·15	10·10	12·93	18·20	–3·05	+0·03	–0·22	–0·35	+5·05	+0·01
8·0	13·15	10·34	13·07	18·35	–2.81	–0·21	–0·08	–0·49	+5·20	–0·14
9·0	13·56	10·71	13·36	18·67	–2·85	–0·17	–0·20	–0·37	+5·11	–0·05
10·0	12·88	10·34	13·07	18·25	–2·54	–0·48	+0·19	–0·76	+5·37	–0·31
11·0	13·56	10·40	12·93	18·56	–3·16	+0·14	–0·63	+0·06	+5·00	+0·06
12·0	13·22	10·40	12·93	18·25	–2·82	–0·20	–0·29	–0 28	+5·03	+0·03
13·0	14·04	11·02	13·07	19·19	–3·02	0·00	–0·97	+0·40	+5·15	–0·09
14·0	15·69	12·30	14·95	20·33	–3·39	+0·37	–0·74	+0·17	+4.64	+0·42
15·0	15·83	12·85	15·52	20·05	–2·98	–0·04	–0·31	–0·26	+4·22	+0·84
16·0	15·07	11·63	14·37	19·92	–3·44	+0·42	–0·70	+0·13	+4·87	+0·19
17·0	13·70	10·40	12·93	18·72	–3·30	+0·28	–0·77	+0·20	+5·02	+0·04
18·0	12·53	9·18	11·50	17·63	–3·35	+0·33	–0.03	–0·54	+5·10	–0·04
19·0	11·02	7·95	9·60	15·96	–3·07	+0·05	–2·02	+1·45	+4·94	+0.12
20·0	10·81	7·89	9·05	16·07	–2·92	–0·10	–1·76	+1·19	+5·26	–0·20
21·0	10·95	7·95	9·48	16·17	–3·00	–0·02	–1·47	+0·90	+5·22	–0·16
22·0	12·05	9·18	10·64	17·52	–2·87	–0·15	–1·41	+0·84	+5.47	–0·41
23·0	13·43	10·40	11·64	18·72	–3·03	+0·01	–1·79	....	+5·29	–0·23
				Mean.	–3·02	....	–0·57	....	+5·06	

TABLE VI.

Comparative Scale Readings of large and small Instruments.

24th AUGUST, 1845.							25th AUGUST, 1845.						
	Large Horizontal Force.			Small Horizontal Force.				Large Horizontal Force.			Small Horizontal Force.		
G.M.T.	Readings.	Diff. from the lowest Reading.	$\frac{dX}{X}$	Readings.	Diff. from the lowest Reading.	$\frac{dX}{X}$	G.M.T.	Readings.	Diff. from the lowest Reading.	$\frac{dX}{X}$	Readings.	Diff. from the lowest Reading.	$\frac{dX}{X}$
H.							H.						
0·0	24·480	0·000	0·00000	14·205	0·000	0·00000	0·0	24·627	0·162	0·00014	14·450	0·060	0·00006
1·0	24·510	0·030	0·00003	14·400	0·195	0·00020	1·0	24·465	0·000	0.00000	14·390	0·000	0·00000
2·0	24·610	0·130	0·00012	14·595	0·390	0·00039	2·0	24·620	0·155	0·00013	14·695	0·305	0·00021
3·0	24·800	0·320	0·00030	14·800	0·595	0·00060	3·0	24·770	0·305	0·00027	14·520	0·130	0·00013
4·0	24·825	0·345	0·00033	14·750	0·545	0·00055	4·0	24·720	0·255	0·00024	14·600	0·210	0·00031
5·0	24·880	0.400	0·00038	14·750	0·545	0·00055	5·0	24·955	0·490	0·00047	14·910	0·520	0·00053
6·0	24·825	0·345	0·00033	14.810	0·605	0·00061	6·0	25·070	0·605	0·00057	14·975	0·585	0·00060
7·0	25·095	0·615	0·00059	15·080	0·875	0·00088	7·0	25·150	0·685	0·00065	15·010	0·620	0·00063
8·0	25·250	0·770	0·00073	15·050	0·845	0·00085	8·0	25·127	0·662	0·00063	14·965	0·575	0·00059
9·0	25·287	0.807	0·00077	15·100	0·895	0·00091	9·0	25·245	0·780	0·00074	14·900	0·510	0·00052
10·0	25·215	0·735	0·00070	15·047	0·842	0·00085	10·0	25·280	0·815	0·00077	15·100	0·710	0·00072
11·0	25·475	0·995	0·00094	15·210	1·005	0·00102	11·0	25·450	0·985	0·00093	15·210	0·820	0·00083
12·0	25·375	0·895	0·00084	15·050	0·845	0·00085	12·0	25·520	1·055	0·00099	15·410	1·020	0·00103
13·0	25·585	1·105	0·00104	15·200	0·995	0·00100	13·0	25·475	1·010	0·00093	15·085	0·695	0·00071
14·0	25·580	1·100	0·00103	15·110	0·905	0·00092	14·0	25·600	1·135	0·00106	15·160	0·770	0·00078
15·0	25·500	1·020	0·00096	14·950	0·745	0·00076	15·0	26·522	1·057	0·00099	15·290	0·900	0·00091
16·0	25·500	1·020	0·00096	14·920	0·715	0·00074	16·0	25·950	1·485	0·00130	15·515	1·125	0.00114
17·0	25·700	1·220	0·00115	15·175	0·970	0·00098	17·0	26·315	1·850	0·00175	15·950	1·560	0·00158
18·0	25·550	1·070	0·00101	15·210	1·005	0·00102	18·0	26·615	2·150	0·00203	16·485	2·095	0·00211
19·0	25·550	1·070	0·00101	15·305	1·100	0·00111	19·0	26·715	2·250	0·00213	16·610	2·220	0·00223
20·0	25·440	0·960	0·00091	15·230	1·025	0·00103	20·0	26·630	2·165	0·00204	16·765	2·375	0·00239
21·0	25·295	0·815	0·00087	15·100	0·895	0·00091	21·0	26·450	1·985	0·00187	16·670	2·280	0·00229
22·0	25·085	0·605	0·00087	14·895	0·690	0·00070	22·0	26·400	1·935	0·00183	16·620	2·230	0·00225
23·0	24·860	0·380	0·00036	14·675	0·470	0·00047	23·0	26·125	1·660	0·00157	16·200	1·810	0·00153

26th AUGUST, 1845.													
	Large Horizontal Force.			Small Horizontal Force.				Large Horizontal Force.			Small Horizontal Force.		
G.M.T.	Readings.	Diff. from the lowest Reading.	$\frac{dX}{X}$	Readings.	Diff. from the lowest Reading.	$\frac{dX}{X}$	G.M.T.	Readings.	Diff. from the lowest Reading.	$\frac{dX}{X}$	Readings.	Diff. from the lowest Reading.	$\frac{dX}{X}$
H.							H.						
0·0	25·550	1·495	0·00141	15·620	1·845	0·00186	12 0	25·025	0·970	0·00092	14·750	0·975	0·00098
1·0	25·200	1·145	0·00108	15·450	1·675	0·00169	13·0	24·950	0·895	0·00085	14·750	0·975	0·00098
2·0	25·282	1·227	0 00106	15·205	1·430	0·00144	14·0	25·055	1·000	0·00094	14·705	0·930	0·00092
3·0	25·290	1·235	0·00107	15·690	1·915	0·00192	15 0	25·075	1·020	0·00096	14·700	0·925	0·00093
4·0	24·575	0·520	0·00049	14·690	0·915	0·00093	16·0	25·160	1·105	0·00102	14·805	1·030	0·00104
5·0	24·055	0·000	0·00000	13·775	0·000	0·00000	17·0	25·450	1·395	0·00131	15·250	1·475	0·00148
6·0	24·225	0·170	0·00015	14·350	0·575	0·00058	18·0	25·442	1·387	0·00130	15·075	1·300	0·00131
7·0	24·550	0·495	0·00047	14·675	0·900	0·00091	19·0	25·375	1·320	0·00124	14·920	1·145	0·00115
8·0	24·792	0·737	0·00070	14·640	0·865	0·00086	20·0	25·110	1·055	0·00099	14.710	0·935	0·00094
9·0	24·935	0·880	0·00084	14·600	0·825	0·00083	21·0	25·090	1·035	0·00097	14·610	0·835	0·00084
10·0	25·100	1·045	0·00097	14·800	1·025	0·00103	22·0	24·890	0·835	0·00080	14.530	0·755	0·00076
11·0	25·130	1·075	0·00101	14·390	1·115	0·00113	23·0	24·710	0·655	0·00062	14·350	0·375	0·00038

TABLE VII.

Comparative Scale Readings of large and small Instruments.

Göttingen Mean Time.	Large Declination. Means.	Small Declination No. III.		Large Horizontal Force Means.	Thermometer.	Small Horizontal Force.		Thermometer.	Induction Inclinometer.		Small Declinometer No. 1.		Diff. between Large Decl. & Small Declinometer No. III.	Difference between large and small H. F.	Observer.
		Readings.	Means.			Readings.	Means.		Readings.	Means.	Readings.	Means.			
						2nd SEPTEMBER, 1845.									
H. M.		20·60				12·80			13·90		95·80				
0·0	27·350	19·00	19·800	24·290	84°·7	12·88	12·840	81°·2	13·90	13·900	95·82	95.810	+7·550	+11·450	D.
		20·60				12·80			13·90		95·80				
		19·70				12·79			13·90		95·80				
1·0	27·390	19·90	19·800	24·327	84·4	12·80	12·795	81·0	13·90	13·900	95·80	95·800	+7·590	+11·532	G.
		19·70				12·79			13·90		95·80				
		19·74				12·63			13·90		95·79				
2·0	27·342	19·80	19·770	24·330	83·7	12·66	12·645	80·8	13·90	13·900	95·80	95·795	+7 572	+11.685	G.
		19·74				12·63			13·90		95·79				
		21·10				13·07			13·89		95·76				
3·0	27·365	18·50	19·800	24·300	83·2	13·00	13·035	80·7	13·89	13·890	95·70	95·730	+7·565	+11·265	G.
		21·10				13·07			13·89		95·76				
		20·00				12·68			13·85		95·69				
4·0	27·250	19·40	19·700	24·275	82·8	12·70	12·690	80·6	13·87	13·860	95·70	95·695	+7·550	+11·585	G.
		20·00				12·68			13·85		95·69				
		19·60				13·70			13·80		95·60				
5·0	27·305	19·70	19·650	24·975	82·9	13·71	13·705	80·2	13.80	13·800	95·60	96·600	+7·655	+11·270	A.
		19·60				13·70			13·80		95·60				
		19·59				13·30			13·80		95·50				
6·0	27·190	19·60	19·590	24·755	82·5	13·31	13·305	80·0	13·80	13·800	95·55	95·525	+7·600	+11·450	A.
		19·59				13·30			13·80		95·50				
		19·60				13·30			13·80		95·60				
7·0	27·200	19·61	19·605	24·755	82·3	13·29	13·295	80·0	13·80	13·800	95·59	95·595	+7·595	+11·460	A.
		19·60				13·30			13·80		95·60				
		19·60				13·10			13·81		95.60				
8·0	27·200	19·65	19·625	24·607	82·2	13·10	13·100	80·0	13·80	13·805	95·60	95·600	+7·575	+11·507	A.
		19·60				13·10			13·81		95·60				
		19·70				13·30			13·80		95·60				
9·0	27·200	19·60	19·650	24·715	82·0	13·25	13·275	80·0	13·82	13 815	95·60	95 600	+7·550	+11·440	D.
		19·70				13·30			13·80		95·60				
		19·50				13·58			13·80		95·50				
10·0	27 090	19·52	19.510	24·970	81·9	13·58	13·580	79·8	13·80	13·800	95·50	95·500	+7·580	+11·390	D.
		19·50				13·58			13·80		95·50				
		19·61				13·50			13·80		95·60				
11.0	27·190	19·61	19·610	24·975	81·6	13·50	13·500	79·4	13·82	13·810	95·60	95·600	+7·580	+11·475	D.
		19·61				13·50			13·80		95·60				
		19·50				13·70			13·79		95·48				
12·0	27·100	19·50	19·500	25·170	81·6	13·70	13·700	79·2	13·79	13·790	95 48	95·480	+7·600	+11·470	D.
		19·50				13.70			13·79		95·48				
		19·70				13·72			13·84		95·68				
13·0	27·185	19·68	19·690	25·220	81·2	13·80	13·760	78·8	13·86	13·850	95·62	95·650	+7·495	+11·460	G.
		19·70				13·72			13·84		95·68				
		20·02				13·62			14·00		96·08				
14·0	27·480	20·00	20·010	25·220	81·2	13·60	13·610	78·8	14·00	14·000	96·05	96·065	+7·470	+11·610	G.
		20·02				13·62			14·00		96·08				
		20·10				13·24			14·01		96·12				

TABLE VII.

Comparative Scale Readings of large and small Instruments.

Gottingen Mean Time.	Large Declinometer Means.	Small Declinometer No. III.		Large Horizontal Force Means.	Thermometer.	Small Horizontal Force.		Thermometer.	Induction. Inclinometer.		Small Declinometer No. I.		Diff. between Large Decl. & Small Declinometer No. III.	Difference between large and small H. F.	Observer.
		Readings.	Means.			Readings.	Means.		Readings.	Means.	Readings.	Means.			
						2nd SEPTEMBER, 1845.									
H. M.															
15·0	27·590	20·09	20·095	25·057	81°·4	13·25	13·245	79°·2	14·00	14·005	96·12	96·120	+7·495	+11·812	G.
		20·10				13·24			14·01		96·12				
		20·03				13·24			13·99		96·02				
16·0	27·537	20·02	20·025	25·060	82·4	13·23	13·235	79·6	13·98	13·985	96·05	96·035	+7·512	+11·825	G.
		20·03				13·24			13·99		96·02				
		19·60				13·59			13·82		95·70				
17·0	27·287	19·80	19·700	25·250	83·5	13·60	13·595	80·0	13·88	13·850	95·70	95·700	+7·587	+11·655	A.
		19·60				13·50			13 82		95·70				
		19·40				13·60			13·70		95·40				
18·0	26·990	19·40	19·400	25·300	84·0	13·60	13·600	81·8	13·72	13·710	95·31	95·355	+7·590	+11·700	A.
		19·40				13·60			13·70		95·40				
		19·10				13·90			13·60		95·00				
19·0	26·715	19·10	19·100	25·485	85·0	13·90	13·900	82·0	13·60	13·600	95–00	95·000	+7·615	+11.585	A.
		19·10				13·90			13·60		95·00				
		18·90				13·70			13·50		94·80				
20·0	26·572	18·90	18·900	25·255	85·2	13·70	13·700	82·5	13·53	13·515	94·77	94·785	+7·672	+11·555	A.
		18·90				13·70			13·50		94·80				
		16·40				13.70			13·50		94·72				
21·0	26·530	21·40	18·900	25·230	85.5	13·70	13·700	83·2	13·50	13·500	94·74	94·730	+7·630	+11·530	D.
		16·40				13.70			13·50		94·72				
		18·50				13.62			13·50		94 80				
22·0	26·570	19·30	18·900	25·130	85.7	13·64	13·630	83·4	13·52	13·510	94·78	94·790	+7·670	+11·500	D.
		18·50				13·62			13·50		94·80				
		19·10				13·34			13.64		95·10				
23·0	26·790	19·20	19·150	24·803	85·0	13·36	13·350	83·0	13·64	13·640	95·08	95·090	+7·640	+11·450	D.
		19·10				13·34			13·64		95·10				

TABLE. VIII.

Comparisons of Large and Small Declinometers in Arc.

2nd SEPTEMBER, 1845.

G. M. T.	Large Declinometer in Arc.	Small Decl. No. III.		Induction Inclinometer.		Small Declinometer No. I.		G. M. T.	Large Declinometer in Arc.	Small Decli. No. III.		Induction Inclinometer.		Small Declinometer No. I.	
		Arc.	Diff.	Arc.	Diff.	Arc.	Diff.			Arc.	Diff.	Arc.	Diff.	Arc.	Diff.
H. M.								H. M.							
0·0	14′·936	10′·800	–4′·136	12′·93	–2′·00	19′·82	+4′·89	12·0	13′·219	9′·180	–4·039	11′·35	–1′·86	18′·10	+4′·89
1·0	15·211	10·800	–4·411	12·93	–2·28	19·76	+4·55	13·0	13·802	10·340	–3·462	12·22	–1·58	18·98	+5·18
2·0	14·884	10·530	–4 054	12·93	–1·95	19·73	+4·85	14·0	15·828	12·300	–3·528	14·37	–1·45	21·14	+5·32
3·0	15·038	10·800	–4·238	12·79	–2·24	19·39	+4·36	15·0	16·584	12·390	–3·764	14·44	–2·14	21·42	+4·84
4·0	14·249	10·400	–3·849	12·36	–1·89	19·22	+4·98	16·0	16·223	12·29·	–3·833	14·15	–2·07	20·98	+4·76
5·0	14·626	10·100	–4·526	11·50	–3·12	18·72	+4·10	17·0	14·505	10·400	–4·105	12·22	–2·82	19·24	+4·74
6·0	13·837	9·730	–4·107	11·50	–2·33	18·33	+4·50	18·0	12·463	8·570	–3·893	10·20	–2·26	17·45	+4·99
7·0	13·906	9·820	–4·086	11·50	–2·40	18·70	+4·80	19·0	10·573	6.730	–3·843	8·62	–2·15	15·60	+5·03
8·0	13·906	9·940	–3·966	11·57	–2·33	18·72	+4·82	20·0	9·596	5·510	–4·086	7·40	–2·59	14·49	+4·90
9·0	13.906	10·100	–3·806	11·71	–2·19	18·72	+4·82	21·0	9·303	5·510	–3·793	7·19	–2·11	14·19	+4·89
10·0	13·150	9·240	–3·910	11·50	–1·65	18·20	+5·05	22·0	9·579	5·510	–4·069	7·33	–2·24	14·51	+4·94
11·0	13·837	9.850	–3·987	11·64	–2·19	18·72	+4·89	23·0	11·088	7·040	–4·048	9·20	–1·88	16·07	+4·99
										Means.	–3·856	....	–2·09	....	+4·84

TABLE IX.

SMALL DECLINATION MAGNETOMETER No. I.

*Table of Scale Readings reduced to Arc Value, Zero being the Arbitrary Number 92.**

	0	1	2	3	4	5	6	7	8	9
92·0	0′0	0′05	0′10	0′15	0′21	0′26	0′31	0′36	0′42	0′47
92·1	0·52	0·57	0·62	0·67	0·73	0·78	0·83	0·88	0·94	0·99
92·2	1·04	1·09	1·14	1·19	1·25	1·30	1·35	1·40	1·46	1·51
92·3	1·56	1.61	1·66	1·71	1·77	1·82	1·87	1·92	1·98	2·03
92·4	2·08	2·13	2·18	2·23	2·29	2·34	2·39	2·44	2·50	2·55
92·5	2·60	2·65	2·70	2·75	2·81	2·86	2·91	2·96	3·02	3·07
92·6	3·12	3·17	3·22	3·27	3·33	3·38	3·43	3·48	3·54	3·59
92·7	3·64	3·69	3·74	3·79	3·85	3·90	3·95	4·00	4·06	4·11
92·8	4·16	4·21	4·26	4·31	4·37	4·42	4·47	4·52	4·58	4·63
92·9	4·68	4·73	4·78	4·83	4·89	4·94	4·99	5·04	5·10	5·15
93·0	5·20	5·25	5·30	5·35	5·41	5·46	5·51	5·56	5·62	5·67
93·1	5·72	5·77	5·82	5·87	5·93	5·98	6·03	6·08	6·14	6·19
93·2	6·24	6·29	6·34	6·39	6·45	6·50	6·55	6·60	6·66	6·71
93·3	6·76	6·81	6·86	6·91	6·97	7·02	7·07	7·12	7·18	7·23
93·4	7·28	7·33	7·38	7·43	7·49	7·54	7·59	7·64	7·70	7·75
93·5	7·80	7.85	7·90	7.95	8·01	8·06	8·11	8·16	8·22	8·27
93·6	8·32	8·37	8·42	8·47	8·53	8·58	8·63	8·69	8·75	8·80
93·7	8·84	8.89	8·94	8·99	9·05	9·10	9·15	9·20	9·26	9·31
93·8	9·36	9·41	9·46	9·51	9·57	9.62	9·67	9·72	9·78	9·83
93·9	9·88	9·93	9·98	10·03	10·09	10·14	10·19	10·24	10·30	10·35
94·0	10·40	10.45	10·50	10·55	10·61	10·66	10·71	10·76	10·82	10·87
94·1	10·92	10·97	11·02	11·07	11·13	11·18	11·23	11·28	11·34	11·39
94·2	11·44	11·49	11·53	11·59	11·65	11·70	11·75	11·80	11·86	11·91
94·3	11·96	12·01	12·06	12·11	12·17	12·22	12·27	12·32	12·38	12·43
94·4	12·48	12·53	12·58	12.63	12·69	12·74	12·79	12·84	12·90	12·95
94·5	13·00	13·05	13·10	13·15	13·21	13·26	13·31	13·36	13·42	13·47
94·6	13·52	13·57	13·62	13·67	13·73	13·78	13·83	13·88	13·94	13·99
94·7	14·04	14·09	14·14	14·19	14·25	14·30	14·35	14·40	14·46	14.51
94·8	14·56	14·61	14·66	14·71	14·77	14·82	14·87	14·92	14·98	15·03
94·9	15·08	15·13	15·18	15·23	15·29	15·34	15·39	15·44	15·50	15·55
95·0	15·60	15·65	15.70	15·75	15·81	15·86	15·91	15·96	16·02	16·07
95·1	16·12	16·17	16·22	16·27	16·33	16·38	16·43	16·48	16·54	16·59
95·2	16.64	16·69	16·74	16·79	16·85	16·90	16·95	17·00	17·06	17·11
95·3	17·16	17·21	17·26	17·31	17·37	17·42	17·47	17·52	17·58	17·63
95·4	17·68	17·73	17·78	17·73	17·89	17·94	17·99	18·04	18·10	18·15
95·5	18·20	18·25	18·30	18·35	18·41	18·46	18·51	18·56	18·62	18·67
95·6	18·72	18·77	18·82	18·87	18·93	18·98	19·03	19·08	19·14	19·19
95·7	19·24	19·29	19·34	19·39	19·45	19·50	19·55	19·60	19·66	19·71
95·8	19·76	19·82	19·87	19·92	19·98	20·03	20·08	20·13	20·19	20·24
95·9	20·28	20·33	20·38	20·43	20·49	20·54	20·59	20·64	20·70	20·75
96·0	20·80	20.85	20·90	20·95	21·01	21·06	21·11	21·16	21·22	21·27
96·1	21·32	21·37	21·42	21·47	21·53	21·58	21·63	21·68	21·74	21·79
96·2	21·84	21·89	21·94	21·99	22·05	22·10	22·15	22·20	22·26	22·31
96·3	22·36	22·41	22·46	22·51	22·57	22·62	22·67	22·72	22·78	22·82
96·4	22·88	22·93	22·98	23·03	23·09	23·14	23·19	23·24	23·30	23·35
96·5	23·40	23·45	23·50	23·55	23·61	23·66	23·71	23·76	23·82	23·87
96·6	23·92	23·97	24·02	24·07	24·13	24·18	24·23	24·28	24·34	24·39
96.7	24.44	24·49	24·54	24·59	24·65	24·70	24·75	24·80	24·86	24·91

*NOTE.—This number was changed to 30 after the erection of the stone pillars.

TABLE IX.

SMALL DECLINATION MAGNETOMETER NO. I.

*Table of Scale Readings reduced to Arc Value, Zero being the Arbitrary Number 92**

	0	1	2	3	4	5	6	7	8	9
96·8	24′96	25′01	25′06	25′11	25′17	25′22	25′27	25′32	25′38	25′43
96·9	25·48	25·53	25·58	25·63	25·69	25·74	25·79	25·84	25·90	25·95
97·0	26·00	26·05	26·10	26·15	26·21	26·26	26·31	26·36	26·42	26·47
97.1	26·52	26·57	26·62	26·67	26·73	26·78	26·83	26·88	26·94	26·99
97·2	27·04	27·09	27·14	27·19	27·25	27·30	27·35	27·40	27·46	27·51
97·3	27·56	27·61	27·66	27·72	27·77	27·82	27·87	27·92	27·98	28·03
97·4	28·08	28·13	28·18	28·23	28·29	28·34	28·39	28·44	28·50	28·55
97·5	28·60	28·65	28·70	28·75	28·80	28·86	28·91	28·96	29·02	29·07
97·6	29·12	29·17	29·22	29·27	29·33	29·38	29·43	29·48	29.54	29·59
97·7	29·64	29·69	29·74	29·79	29·85	29·90	29·95	30·00	30·06	30·11
97·8	30·16	30·21	30·26	30·31	30·37	30·42	30·47	30·52	30·58	30·63
97·9	30·68	30·73	30·78	30·83	30·89	30·94	30·99	31·04	31·09	31·15
98·0	31·20	31·25	31·30	31·35	31·41	31·46	31·51	31·56	31·62	31·67

TABLE X.

SMALL DECLINATION MAGNETOMETER NO. II.

Table of Scale Readings reduced into Arc of Declination.

	0	1	2	3	4	5	6	7	8	9
89·0	-20′54	-20′49	-20′44	-20′30	-20′33	-20′23	-20′23	-20′18	-20′12	-20′07
89·1	-20·02	-19·97	-19·92	-19·87	-19·81	-19·76	-19·71	-19·66	-19·60	-19·55
89·2	-19·50	-19·45	-19·40	-19·35	-19·29	-19·24	-19·19	-19·14	-19·08	-19·03
89·3	-18·98	-18·93	-18·88	-18·83	-18·77	-18·72	-18·67	-18·62	-18·56	-18·51
89·4	-18·46	-18·41	-18·36	-18·31	-18·25	-18·20	-18·15	-18·10	-18·04	-17·99
89·5	-17·94	-17·89	-17·84	-17·79	-17·73	-17·68	-17·63	-17·58	-17·52	-17·47
89·6	-17·42	-17·37	-17·32	-17·27	-17·21	-17·16	-17·11	-17·06	-17·00	-16·95
89·7	-16·90	-16·85	-16·80	-16·75	-16·69	-16·64	-16·59	-16·54	-16·48	-16·43
89·8	-16·38	-16·33	-16·28	-16·23	-16·17	-16·12	-16·07	-16·02	-15·96	-15·91
89·9	-15·86	-15·81	-15·76	-15·71	-15·65	-15·60	-15·55	-15·50	-15·44	-15·39
90·0	-15·34	-15·29	-15·24	-15·19	-15·13	-15·08	-15·03	-14·98	-14·92	-14·87
90·1	-14·82	-14·77	-14·72	-14·67	-14·61	-14·56	-14·51	-14·46	-14.40	-14·35
90·2	-14·30	-14·25	-14·20	-14·15	-14·09	-14·04	-13·99	-13·94	-13·88	-13·83
90·3	-13·78	-13·73	-13.68	-13·63	-13·57	-13·52	-13·47	-13·42	-13·36	-13·31
90·4	-13·26	-13·21	-13·16	-13·11	-13·05	-13·00	-13.95	-12.90	-12·84	-12·79
90·5	-12·74	-12·69	-12·64	-12·59	-12·53	-12·48	-12·43	-12·38	-12·32	-12·27
90·6	-12·22	-12·17	-12·12	-12·07	-12·01	-11·96	-11·91	-11·86	-11·80	-11·75
90·7	-11·70	-11·65	-11·60	-11·55	-11·49	-11·44	-11·39	-11·34	-11·28	-11·23
90·8	-11·18	-11·13	-11·08	-11·03	-10·97	-10·92	-10·87	-10 82	-10·76	-10·71
90·9	-10·66	-10·61	-10·56	-10·51	-10·45	-10·40	-10·35	-10·30	-10·24	-10·19
91·0	-10·14	-10· 9	-10·04	- 9·99	- 9·93	- 9·88	- 9·83	- 9·78	- 9·72	- 9·67
91·1	- 9·62	- 9·57	- 9·52	- 9·47	- 9·41	- 9·36	- 9·31	- 9·26	- 9·20	- 9·15

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* NOTE.—This number was changed to 30 after the erection of the stone pillars.

Table X.

Table of Scale Readings reduced into Arc of Declination.

	0	1	2	3	4	5	6	7	8	9
91·2	-9′10	-9′05	-9′00	-8′95	-8′89	-8′84	-8′79	-8′74	-8′68	-8′63
91·3	-8·58	-8·53	-8·48	-8·43	-8·37	-8·32	-8·27	-8·22	-8·16	-8·11
91·4	-8·06	-8·01	-7·96	-7·91	-7·85	-7·80	-7·75	-7·70	-7·64	-7·59
91·5	-7·54	-7·49	-7·44	-7·39	-7·33	-7·28	-7·23	-7·18	-7·12	-7·07
91·6	-7·02	-6.97	-6·92	-6·87	-6·81	-6·76	-6·71	-6·66	-6·60	-6·55
91·7	-6.50	-6·45	-6·40	-6·35	-6·29	-6·24	-6·19	-6·14	-6·08	-6·03
91·8	-5·98	-5·93	-5·88	-5·83	-5·77	-5·72	-5·67	-5·62	-5·56	-5·51
91·9	-5·46	-5·41	-5·36	-5·31	-5·25	-5·20	-5·15	-5·10	-5·04	-4·99
92·0	-4·94	-4·89	-4·84	-4·79	-4·73	-4·68	-4·63	-4·58	-4·52	-4·47
92·1	-4·42	-4·37	-4·32	-4·27	-4·21	-4·16	-4·11	-4·06	-4·00	-3·95
92·2	-3·90	-3·85	-3·80	-3·75	-3·69	-3·64	-3·59	-3·54	-3·48	-3·43
92·3	-3·38	-3·33	-3·28	-3·23	-3·17	-3·12	-3·07	-3·02	-2·96	-2·91
92·4	-2·86	-2·81	-2·76	-2·71	-2·65	-2·60	-2·55	-2·50	-2·44	-2·39
92·5	-2·34	-2·29	-2·24	-2·19	-2·13	-2·08	-2·03	-1·98	-1·92	-1·87
92·6	-1·82	-1·77	-1·72	-1·67	-1·61	-1·56	-1·51	-1·46	-1·40	-1·35
92·7	-1·30	-1·25	-1·20	-1·15	-1·09	-1·04	-0·99	-0·94	-0·88	-0·83
92·8	-0·78	-0·73	-0·68	-0·63	-0·57	-0·52	-0·47	-0·42	-0·36	-0·31
92·9	-0·26	-0·21	-0·16	-0·11	-0·05	-0·00	0·05	0·10	0·16	0·21
93·0	0·26	0·31	0·36	0·41	0·47	0·52	0·57	0·62	0·68	0·73
93·1	0·78	0·83	0·88	0·93	0·99	1·04	1·09	1·14	1·20	1·25
93·2	1·30	1·35	1·40	1·45	1·51	1·56	1·61	1·66	1·72	1·77
93·3	1·82	1·87	1·92	1·97	2·03	2·08	2·13	2·18	2·24	2·29
93.4	2·34	2·39	2·44	2·49	2·55	2·60	2·65	2·70	2·76	2·81
93·5	2·86	2·91	2·96	3·01	3·07	3·12	3·17	3·22	3·28	3·33
93·6	3·38	3·43	3·48	3·53	3·59	3·64	3·69	3·74	3·80	3·85
93·7	3·90	3·95	4·00	4·05	4·11	4·16	4·21	4·26	4·32	4.37
93·8	4·42	4·47	4·52	4·57	4·63	4·68	4·73	4·78	4·84	4·89
93·9	4·94	4·99	5·04	5·09	5·15	5·20	5·25	5·30	5·36	5·41
94·0	5·46	5·51	5·56	5·61	5·67	5·72	5·77	5·82	5·88	5·93
94·1	5·98	6·03	6·08	6·13	6·19	6·24	6·29	6·34	6·40	6·45
94·2	6·50	6·55	6·60	6·65	6·71	6·76	6·81	6·86	6·92	6·97
94·3	7·02	7·07	7·12	7·17	7·23	7·28	7·33	7·38	7·44	7·49
94·4	7·54	7·59	7·64	7·69	7·75	7·80	7·85	7·90	7·96	8·01
94·5	8·06	8·11	8·16	8·21	8·27	8·32	8·37	8·42	8·48	8·53
94·6	8·58	8·63	8·68	8·73	8·79	8·84	8·89	8·94	9·00	9·05
94·7	9·10	9·15	9·20	9·25	9·31	9·36	9·41	9·46	9·52	9·57
94·8	9·62	9·67	9·72	9·77	9·83	9·88	9·93	9·98	10·04	10·09
94·9	10·14	10·19	10·24	10·29	10·35	10·40	10.45	10·50	10·56	10·61
95·0	10·66	10·71	10·76	10·81	10·87	10·92	10·97	11·02	11·08	11.13
95·1	11·18	11·23	11·28	11·33	11·39	11·44	11·49	11·54	11·60	11·65
95·2	11·70	11·75	11·80	11·85	11·91	11·96	12·01	12·06	12·12	12·17
95·3	12·22	12·27	12·32	12·37	12·43	12·48	12·53	12·58	12·64	12·69
95·4	12·74	12·79	12·84	12·89	12·95	13·00	13·05	13·10	13·16	13·21
95·5	13·26	13·31	13·36	13·41	13·47	13·52	13·57	13·62	13·68	13·73
95·6	13·78	13·83	13·88	13·93	13·99	14·04	14·09	14·14	14·20	14·25
95·7	14·30	14·35	14·40	14·45	14·51	14·56	14·61	14·66	14·72	14·77
95·8	14·82	14·87	14·92	14·97	15·03	15·08	15·13	15·18	15·24	15.29
95·9	15·34	15·39	15·44	15·49	15·55	15·60	15·65	15·70	15·76	15·81
96·0	15·86	15·91	15·96	16·01	16·07	16·12	16·17	16·22	16·28	16·33
96·1	16·38	16·43	16·48	16·53	16·59	16·64	16·69	16·74	16·80	16·85

TABLE X.

SMALL DECLINATION No. II.

Table of Scale Readings reduced into Arc of Declination.

	0	1	2	3	4	5	6	7	8	9
96·2	16′90	16′95	17′00	17′05	17′11	17′16	17′21	17′26	17′32	17′37
96.3	17·42	17·47	17·52	17·57	17·63	17·68	17·73	17·78	17·84	17·89
96·4	17·94	17·99	18·04	18·09	18·15	18·20	18·25	18·30	18·36	18·41
96·5	18·46	18·51	18·56	18·61	18·67	18·72	18·77	18·82	18·88	18·93
96·6	18·98	19·03	19·08	19·13	19·19	19·24	19·29	19·34	19·40	19·45
96·7	18·50	19·55	19·60	19·65	19·71	19·76	19·81	19·86	19·92	19·97
96·8	20·02	20·07	20·12	20·17	20·23	20·28	20·33	20.38	20·44	20·49
96·9	20·54	20·59	20·64	20·69	20·75	20·80	20·85	20·90	20·96	21·01
97·0	21·06	21·11	21·16	21·21	21·27	21·32	21·37	21·42	21·48	21·53
97·1	21·58	21·63	21·68	21·73	21·79	21·84	21·89	21·94	22·00	22·05
97·2	22·10	22·15	22·20	22·25	22·31	22·36	22·41	22·46	22·52	22·57
97·3	22·62	22·67	22·72	22·77	22·83	22·88	22·93	22·98	23·04	23·09
97·4	23·14	23·19	23·24	23·29	23·35	23·40	23·45	23·50	23·56	23·61
97·5	23·66	23·71	23·76	23·81	23·87	23·92	23·97	24·02	24·08	24·13
97·6	24·18	24·23	24·28	24·33	24·39	24·44	24·49	24·54	24·60	24·65
97·7	24·70	24·75	24·80	24·85	24·91	24·96	25·01	25·06	25·12	25·17
97·8	25·22	25·27	25·32	25·37	25·43	25·48	25·53	24·58	25·64	25·69
97·9	25·74	25·79	25·84	25·89	25·94	26·00	26·05	26·10	26·16	26·21
98·0	26·26	26 31	26·36	26·41	26·47	26 52	26·57	26·62	26·68	26·73

TABLE X.

INDUCTION INCLINOMETER.

Scale Readings reduced to Arc.

	0	1	2	3	4	5	6	7	8	9
13·6	3°15′43	3°15′57	3°15′72	3°15′86	3°16′01	3°16′15	3°16′29	3°16′44	3°16′58	3°16′72
13·7	3·16·87	3·17·01	3·17·16	3·17·30	3·17·45	3·17·59	3·17.73	3·17·88	3·18·02	3·18·16
13·8	3·18·31	3·18·45	3·18·60	3·18·74	3·18·99	3·19·03	3·19·17	3·19·32	3·19·46	3·19·60
13·9	3·19·74	3·19·88	3·20·03	3·20·17	3·20·32	3·20·46	3·20·60	3·20·75	3·20·89	3·21·03
14·0	3·21·18	3·21·32	3·21·47	3·21·61	3·21·76	3·21·90	3·22·04	3·22·19	3·22·33	3·22·47
14·1	3·22·62	3·22·76	3·22·91	3·23·05	3·23·20	3·23·34	3·23·48	3·23·63	3·23·77	3·23·91
14·2	3·24·05	3·24·19	3·24·34	3·24·48	3·24·63	3·24·77	3·24·91	3·25·06	3·25.20	3·25·34
14·3	3·25·49	3·25·63	3·25·78	3·25·92	3·26·07	3·26·21	3·26·35	3·26·50	3·26·64	3·26·78
14·4	3·26·93	3·27·07	3·27·22	3·27·36	3·27·51	3·27·65	3·27·79	3·27·94	3·28·08	3·28·22
14·5	3·28·37	3·28·51	3·28·66	3·28·80	3·28·95	3·29·09	3·29·23	3·29·38	3·29.52	3·29·66
14·6	3.29·80	3·29·94	3·30·09	3·30·23	3·30·38	3·30·52	3·30·66	3·30·81	3·30·95	3·31·09
14·7	3.31·24	3·31·38	3·31·53	3·31·67	3·31·82	3·31·69	3·32·10	3·32·25	3·32·39	3·32·53
14·8	3·32·68	3·32·82	3·32·97	3·33·11	3·33·26	3·33·40	3·33·54	3·33·69	3·33·83	3·33·97
14·9	3·34·11	3·34·25	3·34·40	3·34·54	3·34·69	3·34·83	3·34·97	3·35·12	3·35.26	3·35·40
15·0	3·35·55	3·35·69	3·35·84	3·35·98	3·36·13	3·36·27	3·36·41	3·36·56	3·36·70	3·36·84
15·1	3·36·99	3·37·13	3·37·28	3·37·42	3·37·57	3·37·71	3·37·85	3·38·00	3·38·14	3·38·28
15·2	3·38·42	3·38·56	3·38·71	3.38·85	3·39·00	3·39·14	3·39·28	3·39·43	3·39·57	3·39·71

TABLE X.

INDUCTION INCLINOMETER.

Scale Readings reduced to Arc.

	0	1	2	3	4	5	6	7	8	9
15·3	3°39′86	3°40′00	3°40′15	3°40′29	3°40′44	3°40′58	3°40′72	3°40′87	3°41′01	3°41′15
15·4	3·41·30	3·41·44	3·41·59	3·41·73	3 41·88	3·42·02	3·42·16	3·42·31	3·42·45	3·42·59
15·5	3·42·74	3.42·88	3·43·03	3·43·17	3·43·32	3·43·46	3·43·60	3·43·75	3·43·89	3·44·03
15·6	3·44·17	3·44·31	3·44·46	3·44·60	3·44·75	3·44·89	3·45·03	3·45·18	3·45·32	3·45·46
15·7	3·45·61	3·45·75	3·45·90	3·46·04	3·46·19	3·46 33	3·46·47	3·46·62	3·46·76	3·46·90
15·8	3·47·05	3·47·19	3·47·34	3·47·48	3·47·63	3·47·77	3·47·91	3·48·06	3·48·20	3·48·34
15·9	3·48·48	3·48·62	3·48·77	3·48·91	3·49·06	3·49·20	3·49·34	3·49·49	3·49·63	3·49·77
16·0	3·49·92	3·50·06	3·50·21	3·50·35	3·50·50	3·50·64	3 50·78	3·50·93	3·51·07	3·51·21
16·1	3·51·36	3·51·50	3·51·65	3·51·79	3·51·94	3·52·08	3·52·22	3·52·36	3·52·50	3·52·64
16·2	3·52·79	3·52·93	3·53·08	3·53·22	3·53·37	3·53·51	3·53·65	3·53·80	3·53·94	3·54·08
16·3	3·54·23	3·54·37	3·54·52	3·54·66	3,54·81	3·54·95	3·55·09	3·55.24	3·55·38	3·55·52
16 4	3·55·67	3·55·81	3·55·96	3·56·10	3·56·25	3·56·39	3·56·53	3·56·68	3·56·82	3·56·96
16·5	3·57·11	3·57.25	3·57·40	3·57·54	3·57·69	3·57·83	3·57·97	3·58·12	3·58·26	3·58·40
16·6	3·58·54	3·58·68	3·58·83	3·58·97	3·59·12	3·59·26	3·59·40	3·59·55	3·59·69	3·54·83
16·7	3·59.98	4·00·12	4·00·27	4·00·41	4·00·56	4·00·70	4·00·84	4·00·99	4·01·23	4·01·27
16·8	4·01·42	4·01·56	4·01·71	4·01·85	4·02·00	4·02·14	4·02·28	4·02·43	4·02·57	4·02·71
16·9	4·02·85	4·02·99	4·03.14	4·03·28	4·03·43	4·03·57	4·03·71	4·03·86	4·04·00	4·04·14
17·0	4·04·29	4·04·43	4·04·58	4·04·72	4·04·87	4·05·01	4·05·15	4·05·30	4·05·44	4·05·58
17·1	4·05·73	4·05·87	4.06·02	4·06 16	4·06·31	4·06·45	4·06·59	4·06·74	4·06·88	4·07·02
17·2	4·07·16	4·07·30	4·07·45	4·07·59	4·07·74	4·07·88	4·08·02	4·08·17	4·08·31	4·08·45
17·3	4·08·60	4·08·74	4·08·89	4·09·03	4·09·18	4·09·32	4.09·46	4·09·61	4·09·75	4·09·89
17·4	4·10·04	4·10·18	4·10·33	4·10·47	4·10·62	4·10·76	4·10·90	4·11·05	4·11·19	4·11·33
17·5	4·11·48	4·11·62	4.11·77	4·11·91	4·12·06	4·12·20	4·12·34	4·12·49	4·12·63	4·12·77
17·6	4·12·91	4·13.05	4·13·20	4·13·34	4·13·49	4·13·63	4·13·77	4·13·92	4·14·06	4·14·20
17·7	4·14·35	4·14·49	4·14·64	4·14·78	4·14·93	4·15·07	4·15·21	4·15·36	4·15·50	4·15·64
17·8	4·15·79	4·15·93	4·16·08	4·16·22	4·16·37	4·16·51	4·16·65	4·16·80	4·16·94	4·17·08
17·9	4·17·22	4·17·36	4·17·51	4·17·65	4·17·80	4·17·94	4·18·08	4·18·23	4·18·37	4·18·51
18·0	4·18·66	4·18·80	4·18·95	4·19·09	4·19·24	4·19·38	4·19·52	4·19·67	4·19·81	4·19·95
18·1	4·20·10	4·20·34	4·20·49	4·20·63	4·20·78	4·20·92	4·21·06	4·21·21	4·21·35	4·21.49
18·2	4·21·53	4 21·67	4·21·82	4·21·96	4·22·11	4·22·25	4·22·39	4·22·54	4.22·68	4·22·82
18·3	4·22·97	4·23·11	4·23·26	4·23·40	4.23·55	4·23·69	4·23·83	4·23·98	4·24.12	4·24·26
18·4	4·24·41	4·24·55	4·24·70	4·24·84	4·24·99	4·25·13	4·25·27	4·25·42	4·25·56	4·25·70
18·5	4·25·85	4·25·99	4·26·14	4·26·28	4·26·43	4·26·57	4·26·71	4 26·86	4·27·00	4·27·14
18·6	4·27·28	4·27·42	4·27·57	4·27·17	4·27·86	4·28·00	4·28·14	4·28·29	4·28·43	4·28·57
18·7	4.28·72	4·28·86	4·29·01	4·29·15	4·29·30	4·29·44	4·29·59	4·29·74	4·29.88	4·30·02
18·8	4 30·16	4·30·30	4·30·45	4·30·59	4·30·74	4·30·88	4·31·02	4·31·17	4·31·31	4·31·45
18·9	4·31·59	4·31·73	4·31·88	4·32·02	4·32·17	4·32.31	4·32·45	4·32·60	4·32·74	4·32·88
19·0	4·33·03	4·33·17	4·33·32	4·33·46	4·33·61	4·33·75	4·33·89	4·34·04	4·34·18	4·34·32
19·1	4·34.47	4·34·61	4·34·76	4·34·90	4·35·05	4·35·19	4·35·33	4.35·48	4·35·62	4·35·76
19·2	4·35·90	4·36·04	4·36·19	4·36·33	4·36·48	4·36·62	4.36·76	4.36·91	4·37·05	4·37·19
19·3	4·37·34	4 37·48	4·37·63	4·37·77	4·37·92	4·38·06	4·38·20	4·38·35	4·38·49	4·38·63
19·4	4·38·78	4·38·92	4·39·07	4·39·21	4·39·36	4·39·50	4·39·64	4·39·79	4·39·93	4·40·07
19·5	4·40·22	4·40·36	4·40·51	4·40·66	4·40·80	4·40·94	4·41·08	4·41·23	4·41·37	4·41·51
19·6	4·41·65	4·41·79	4·41·94	4·42·08	4·42·23	4·42·37	4·42·51	4·42·66	4·42·80	4·42·94
19·7	4·43·09	4·43 23	4·43·38	4·43·52	4·43·67	4·43·81	4·43·95	4·44·10	4·44·24	4·44·38
19·8	4·44.53	4·44·67	4·44·82	4·44·96	4·45·11	4·45·25	4·45·39	4·45·53	4·45·68	4·45·82
19·9	4·45·96	4·46·10	4·46·25	4·46·39	4·46·54	4·46·68	4·46·82	4·46·97	4·47·11	4·47·25
20·0	4·47·40	4.47·54	4·47·69	4·47·83	4·47·98	4·48·12	4.48·26	4·48·41	4·48·55	4·48·69

TABLE XI.

INDUCTION INCLINOMETER.

Scale Readings reduced to Arc.

	0	1	2	3	4	5	6	7	8	9
20·1	4°48′84	4°48′98	4°49′13	4°49′27	4°49′42	4°49′56	4°49′70	4°49′85	4°49′99	4°50′13
20·2	4·50·27	4·50·41	4·50·56	4·50·70	4·50·85	4·50·99	4·51·13	4·51·28	4·51·42	4·51·56
20·3	4·51·71	4·51·85	4·52·00	4.52·14	4·52·29	4·52·43	4·52·57	4·52·72	4·51·86	4·53·00
20·4	4·53·15	4·53·29	4·53·44	4·53·58	4·53·72	4·53·87	4·54·01	4·54·16	4·54·30	4·54·44
20·5	4·54·59	4.54·73	4·54·88	4·55·02	4·55·17	4·55·31	4·55·45	4·55·60	4·55·74	4·55·88
20·6	4·56·02	4·56·16	4·56·31	4·56·45	4·56·60	4·56·74	4·56·88	4·57·03	4·57·17	4.57·31
20·7	4·57·46	4·57·60	4·57·75	4·57·89	4·58·04	4·58·18	4·58·32	4·58·47	4·58·61	4·58·75
20·8	4·58·90	4·59·04	4·59·19	4·59·33	4·59·48	4·59·62	4·59·76	4·59·91	5·00·05	5·00·19
20·9	5.00·33	5·00·47	5·00·62	5·00·76	5·00·91	5·01·05	5·01·19	5·01·34	5·01·48	5·01·62
21·0	5·01·77	5·01·91	5·02·06	5·02·20	5·02·35	5·02·49	5·02·63	5·02·78	5·02·92	5·03·06
21·1	5·03·21	5·03·35	5·03·50	5·03·64	5·03·79	5·03·93	5·04·07	5·04·22	5·04·36	5·04·50
21·2	5·04·64	5·04·78	5·04·93	5·05·07	5·05·22	5·05·36	5·05·50	5·05·65	5·05·79	5·05·93
21·3	5·06·08	5·06·22	5·06·37	5·06·51	5·06·66	5·06·80	5·06·94	5·07·09	5·07·23	5·07·37
21·4	5·07·52	5·07·66	5·07·81	5·07·95	5·08·10	5·08·24	5·08·38	5·08·53	5·08·67	5·08·81
21·5	5·08.96	5·09·10	5·09·25	5·09·39	5·09·54	5·09·68	5·09·82	5·09·97	5·10·11	5·10·25
21·6	5·10·39	5·10·53	5·15·68	5·10·82	5·10·97	5·11·11	5·11·25	5·11·40	5·11·54	5·11·68
21·7	5·11·83	5·11·97	5·12·12	5·12·26	5·12·41	5·12·55	5·12·69	5·12·84	5·12·98	5·13·12
21·8	5·13·27	5·13·41	5·13·56	5·13·70	5·13·85	5·13·99	5·14·13	5·14·28	5·14·42	5·14·56
21·9	5·14·70	5·14·84	5·14·99	5·15·13	5·15·28	5·15·42	5·15·56	5·15·71	5·15·85	5·15·99
22·0	5·16·14	5·16·28	5·16·43	5·16·57	5·16·72	5·16·86	5·17·00	5·17·15	5·17·29	5·17·43
22·1	5·17·58	5·17·72	5·17·87	5·18·01	5·18·16	5·18·30	5·18·44	5·18·59	5·18·73	5·18·87
22·2	5·19·01	5·19·15	5·19·30	5·19·44	5·19·59	5·19·73	5·19·87	5·20·02	5·20·16	5·20·30
22·3	5·20·45	5·20·59	5·20·74	5·20·88	5·21·03	5·21·17	5·21·31	5·21·46	5·21·60	5·21·74
22·4	5·21·89	5·22·03	5·22·18	5·22·32	5·22·47	5·22·61	5·22·75	5·22·90	5·23·04	5·23·18
22·5	5·23·33	5·23·47	5·23·62	5·23·76	5·23·91	5·24·05	5·24·19	5·24·34	5·24·48	5·24·62
22·6	5·24·76	5·24·90	5·25·05	5·25·19	5·25·34	5·25·48	5·25.62	5·25·77	5·25·91	5·26·05
22·7	5·26·20	5·26·34	5·26·49	5·26·63	5·26·78	5·26·92	5·27·06	5·27·25	5·27·35	5·27.49
22·8	5·27·64	5·27·78	5·27.93	5·28·07	5·28·22	5·28·36	5·28·50	5·28·68	5·28·79	5·28·93
22·9	5·29·07	5·29·21	5·29·36	5·29·50	5·29·65	5·29·79	5·29·93	5·30·08	5·30·22	5·30·36
23·0	5·30·51	5·30·65	5·30·80	5·30·94	5·31·09	5·31·23	5·31·37	5·31·52	5·31·66	5·31·80
23·1	5·31·95	5·32·09	5·32·24	5·32·38	5·32·53	5·32·67	5·32·81	5·32·96	5·33·10	5·33·24
23·2	5·33.38	5·33·52	5·33·67	5·33·81	5·33·96	5·34·10	5·34·24	5·34·39	5·34·53	5·34·67
23·3	5·34·82	5·34·96	5·35·11	5·35·25	5.35·40	5·35·54	5·35·68	5·35·88	5·35·97	5·36·11
23·4	5·36·26	5·36·40	5·36·55	5·36·69	5·36·84	5·36·98	5.37·12	5·37·27	5·37·41	5·37·55
23·5	5·37·70	5·37·84	5·37·99	5·38·13	5·38·28	5·38·42	5·38·56	5·38·71	5·38·85	5·38·99
23·6	5·39·13	5·39·27	5·39·42	5·39·56	5·39·71	5·39·85	5·39·99	5·40·14	5·40·28	5·40·42
23·7	5·40·57	5·40·71	5·40·86	5·41·00	5·41·15	5·41·29	5·41·43	5·41·58	5·41·72	5·41·86
23·8	5·42·01	5·42·15	5·42·30	5·42·44	5·42·59	5·42·73	5·42·87	5.43·02	5·43·16	5·43·30
23·9	5·43·44	5·43·58	5·43·73	5·43·87	5·44·02	5·44·16	5·44·30	5·44·45	5·44·59	5·44·73
24·0	5·44·88	5·45·02	5·45·17	5·45·31	5·45·46	5·45·60	5·45·74	5·45·89	5·46·03	5·46·17
24·1	5·46·32	5·46·46	5·46·61	5·46·75	5·46·90	5·47·04	5·47·18	5·47·33	5·47·47	5·47·61
24·2	5·47·75	5·47·89	5·48·04	5·48·18	5·48·33	5·48·47	5·48·61	5·48·76	5·48·90	5·49·04
24·3	5·49·19	5·49·33	5·49·48	5·49·62	5·49·77	5·49·91	5·50·05	5·50·20	5·50·34	5·50·48
24·4	5·50·63	5·50·77	5·50·92	5·51·06	5·51·21	5·51·35	5·51·49	5·51·64	5·51·78	5·51·92
24·5	5·52·07	5·52·21	5.52·36	5·52·50	5·52·65	5·52·79	5·52·93	5·53·08	5·53·22	5·53·36
24·6	5·53·50	5·53.64	5·53·79	5·53·93	5·54·08	5·54·22	5·54·36	5·54·51	5·54·65	5·54·79
24·7	5·54·94	5·55·08	5·55·23	5·55·37	5·55·52	5·55·66	5·55·80	5·55·95	5·56·09	5·56·23
24·8	5·56·38	5·56·52	5·56·67	5·56·81	5·56·96	5.57·10	5·57·24	5·57·39	5.57·53	5·57·67

TABLE XI.

INDUCTION INCLINOMETER.

Scale Readings reduced to Arc.

	0	1	2	3	4	5	6	7	8	9
24·9	5°57′81	5°57′95	5°58′10	5°58′24	5°58′39	5°58′53	5°58′67	5°58′82	5°58′96	5°59′10
25·0	5·59·25	5·59·39	5·59·54	5·59·68	5·59·83	5·59·97	6·00·11	6·00·26	6·00·40	6·00·54
25·1	6 00·69	6·00·83	6·00·98	6·01 12	6·01·27	6·01·41	6·01·55	6 01·70	6·01·84	6·01·98
25·2	6·02·12	6·02·26	6·02·41	6·02·55	6·02·70	6·02·84	6·02·98	6·03·13	6·03·27	6·03·41
25·3	6·03·56	6·03·70	6·03·85	6·03·99	6·04·14	6·04·28	6·04.42	6·04 57	6·04·71	6·04·85
25·4	6·05 00	6·05·14	6·05·29	6·05·43	6·05·58	6·05·72	6·05·86	6·06·01	6·06·15	6·06·29
25·5	6·06·44	6.06·58	6·06·73	6·06·87	6.07·02	6·07·16	6·07·30	6·07·45	6·07·59	6·07·73
25·6	6·07·87	6·08·01	6·08·16	6.08·30	6·08·45	6·08·59	6·08·73	6·08·88	6·09·02	6·09·16
25·7	6·09·31	6·09·45	6·09·60	6·09·74	6·09·85	6·10·03	6·10·17	6·10·32	6·10·46	6·10·60
25·8	6·10·75	6·10·89	6·11·04	6·11·18	6·11·33	6·11·47	6·11·61	6.11·76	6·11·90	6·12·04
25·9	6·12·18	6·12·32	6·12·47	6·12·61	6·12·76	6·12·90	6·13·04	6·13·19	6·13·33	6·13·47
26·0	6·13·62	6·13·76	6·13·91	6·14·05	6·14·20	6.14·34	6·14·48	6·14·63	6·14·77	6·14·91
26·1	6·15·06	6·15·20	6·15·35	6·15·49	6·15·64	6·15·78	6·15·92	6·16·07	6·16·21	6·16·35
26·2	6·16·49	6·16·63	6·16·78	6·16·92	6·17·07	6 17·21	6·17·35	6·17·50	6·17·64	6·17·78
26·3	6·17·93	6·18·07	6·18 ·22	6·18·36	6·18·51	6·18·65	6·18·79	6·18·94	6·19·08	6·19·22
26·4	6·19·37	6·19·51	6·19·66	6·19.80	6·19·95	6·20·09	6·20·23	6·20·38	6·20·52	6·20·66
26·5	6·20 81	6·20·95	6·21·10	6·21·24	6·21·39	6·21·53	6·21·67	6·21·82	6·21·96	6·22·10
26·6	6·22·24	6·22·38	6·22·53	6·22·67	6·22·82	6·22·96	6·23·10	6·23·25	6·23·39	6·23·53
26·7	6·23·68	6·23·82	6·23·97	6·24·11	6·24·26	6·24·40	6·24.54	6·24·69	6·24·83	6.24·97
26·8	6·25·52	6·25·26	6·25·41	6·25·55	6·25·70	6·25·84	6·25·98	6·26·13	6·26·27	6·26·41
26·9	6·26·55	6·26·69	6·26·84	6·26·98	6·27·13	6·27·27	6·27·41	6·27·56	6 27.70	6·27·84
27·0	6·27·99	6·28·13	6·28·28	6·28·42	6·28·57	6·28·71	6·28·85	6·29·00	6·29·14	6·29·28
27·1	6·29·43	6.29·57	6·29·72	6·29·86	6·30·01	6·30·15	6·30·29	6·30·44	6·30·58	6·30·72
27·2	6·30·86	6·31 00	6·31·15	6·31·29	6·31·44	6·31·58	6·31·72	6·31·87	6·32·01	6·32·15
27·3	6·32·30	6·32·44	6·32·59	6·32·73	6·32.88	6·33·02	6·33·16	6·33·31	6·33·45	6·33·59
27·4	6·33·74	6·33·88	6·34·03	6·34·17	6·34·32	6·34·46	6·34·60	6·34·75	6·34·89	6·35·03
27·5	6·35·18	6·35·32	6·35·47	6·35·61	6·35·76	6·35·90	6·36·04	6·36·19	6·36·33	6·36·47
27·6	6·36·61	6·36·75	6·36 90	6·37·04	6·37·19	6·37·33	6·37·47	6·37·62	6·37·76	6·37·90
27·7	6·38·05	6·38·19	6·38·34	6·38.49	6·38·64	6 38·77	6·38·91	6·39·06	6·39·20	6·39·34
27·8	9·39·49	6·39·63	6·39·78	6·39·92	6·40·07	6·40·21	6·40·35	6·40·50	6·40·54	6·40·78
27·9	6·40.92	6·41·06	6·41·21	6·41·35	6·41·50	6·41·64	6·41.78	6·41·93	6·42·07	6·42·21
28·0	6·42·36									

TABLE XII.

INDUCTION INCLINOMETER.

Scale Readings reduced to Arc of deviation from the Astronomical Meridian.

	0	1	2	3	4	5	6	7	8	9
13·0	0° 1′36	0° 1′50	0° 1′65	0° 1′79	0° 1′94	0° 2′08	0° 2′22	0° 2′37	0° 2′51	0° 2′65
13·1	0· 2·80	0· 2·94	0· 3·09	0· 3·23	0· 3·38	0· 3·52	0· 3.66	0· 3·81	0· 3·95	0. 4·09
13·2	0· 4·23	0· 4·37	0· 4·52	0· 4·66	0· 4·81	0· 4·95	0· 5·09	0· 5·24	0· 5·38	0· 5·52
13·3	0· 5·67	0· 5·81	0· 5·96	0· 6·10	0· 6·25	0· 6·39	0· 6·53	0· 6·68	0. 6·82	0· 6·96
13·4	0· 7·11	0· 7·25	0· 7·40	0· 7·54	0· 7·69	0· 7·83	0· 7·97	0· 8.12	0· 8·26	0· 8·40
13·5	0· 8·55	0· 8·69	0· 8·84	0· 8·98	0· 9·13	0· 9·27	0· 9·41	0· 9.56	0· 9·70	0· 9·84
13·6	0· 9·98	0·10·12	0·10·27	0·10·41	0·10·56	0·10·70	0·10·84	0·10·99	0·11·13	0·11·27
13·7	0·11·42	0·11·56	0·11·71	0·11·85	0·12·00	0·12·14	0·12·28	0·12·43	0·12·57	0·12·71

TABLE XII.

INDUCTION INCLINOMETER.

Scale Readings reduced to Arc of deviation from the Astronomical Meridian.

	0	1	2	3	4	5	6	7	8	9
13·8	0°12′86	0°13′00	0°13′15	0°13′29	0°13′44	0°13′58	0°13′72	0°13′87	0°14′01	0°14′15
13·9	0·14·29	0·14·43	0·14·58	0·14·72	0·14·87	0·15·01	0·15·15	0·15·30	0·15·44	0·15·58
14·0	0·15·73	0·15·87	0·16·02	0·16·16	0·16·31	0·16·45	0·16·59	0·16·74	0·16·88	0·17·02
14·1	0·17·17	0·17·31	0.17·46	0·17·60	0·17·75	0·17·89	0·18·03	0·18·18	0·18·32	0·18·46
14·2	0·18·60	0·18·74	0·18·89	0·19·03	0.19·18	0·19·32	0·19·46	0·19·61	0·19·75	0·19·89
14·3	0·20·04	0·20·18	0·20·33	0·20·47	0·20·62	0·20·76	0·20·90	0·21·05	0.21.19	0·21·33
14·4	0·21·48	0·21·62	0·21·77	0·21·91	0·22·06	0·22·20	0·22·34	0·22·49	0·22·63	0·22·77
14·5	0·22·92	0·23.06	0·23·21	0·23·35	0·23·50	0·23·64	0·23·78	0·23·93	0·24·07	0·24·21
14·6	0·24·36	0·24·50	0·24·65	0·24·79	0·24·94	0·25·08	0·25·22	0·25·37	0·25·51	0·25·65
14·7	0·25·79	0·25.93	0·26·08	0·26·22	0·26·37	0·26·51	0·26·65	0·26·80	0·26·94	0·27·08
14·8	0·27·22	0·27·36	0·27·51	0·27·65	0·27·80	0·27·94	0·28·08	0·28·23	0·28·37	0·28·51
14·9	0·28·66	0·28·80	0·28·95	0·29·09	0·29·24	0·29·38	0·29·52	0·29·67	0·29·81	0·29·95
15·0	0·30·10	0·30·24	0·30·49	0·30·63	0·30·78	0·30·92	0·31·06	0·31·21	0·31·35	0·31·49
15·1	0·31·54	0·31·68	0·31·83	0·31·97	0·32·12	0·32·26	0·32·40	0·32·55	0·32·69	0·32·83
15·2	0·32·97	0·33·11	0.33·26	0·33·40	0·33·55	0·33.69	0·33·83	0·33·98	0·34·12	0·34·26
15·3	0·34·41	0·34·55	0·34·70	0·34·84	0·34·99	0·35·13	0·35·27	0·35·42	0·35·56	0·35·70
15·4	0·35·85	0·35·99	0·36·14	0·36·28	0·36·43	0·36·57	0·36·71	0·36·86	0·37·00	0·37·14
15·5	0·37·29	0.37·43	0·37·58	0·37·72	0·37·87	0·38·01	0·38·15	0·38·30	0·38·44	0·38·58
15·6	0·38·72	0·38·86	0·39·01	0·39·15	0·39·30	0·39·44	0·39·58	0·39·73	0·39·87	0·40·01
15·7	0·40·16	0·40·30	0·40·45	0·40·59	0·40·74	0·40·88	0·41·02	0·41·17	0·41·31	0·41·45
15·8	0·41·60	0·41.74	0·41·89	0·42·03	0·42·18	0·42·32	0·42·46	0·42·61	0·42·75	0·42·89
15·9	0·43·03	0·43·17	0.43·32	0·43·46	0·43·61	0·43·75	0·43·89	0·44·04	0·44·18	0·44·32
16·0	0·44·47	0·44·61	0·44·76	0·44·90	0·45·05	0·45·19	0·45·33	0·45·48	0·45·62	0·45·76
16·1	0·45·91	0·46·05	0·46·20	0·46·34	0·46·49	0·46·63	0·46·77	0·46·92	0·47·06	0·47·20
16·2	0·47·34	0·47·48	0·47·63	0·47·77	0·47·92	0·48·06	0·48·20	0·48·35	0·48·49	0·48·63
16·3	0·48·78	0·48·92	0·49·07	0·49·21	0·49·36	0.49·50	0·49·64	0·49·79	0·49·93	0·50·07
16·4	0·50·22	0·50·36	0·50·51	0·50·65	0·50·81	0·50·95	0·51·09	0·51·24	0·51·38	0·51·52
16·5	0·51·66	0·51·80	0·51·95	0·52·09	0·52·24	0·52·38	0·52·52	0·52·67	0.52·81	0·52·95
16·6	0·53·09	0·53·23	0·53·38	0·53·52	0·53·67	0·53·81	0·53·95	0·54·10	0·54·24	0·54·38
16·7	0·54·53	0·54·67	0·54·82	0·54·96	0·55·11	0·55·25	0·55·39	0·55·54	0·55·68	0·55·82
16·8	0·55·97	0·56·11	0·56·26	0·56·40	0·56·55	0·56·69	0·56·83	0·56·98	0·57·12	0·57·26
16·9	0·57·40	0·57·54	0·57·69	0·57·83	0·57·98	0·58·12	0·58·26	0·58·41	0·58·55	0·58·69
17·0	0·58·84	0·58·98	0·59·13	0·59·27	0·59·42	0·59·56	0·59·70	0·59·85	0·59·99	1·00·13
17·1	1·00·28	1·00·42	1·00·57	1·00·71	1·00·86	1·01·00	1·01·14	1·01·29	1·01·43	1·01·57
17·2	1·01·71	1·01·85	1·02·00	1·02·14	1·02·29	1·02·43	1·02·57	1·02·72	1·02·86	1·03·00
17·3	1·03·15	1·03·29	1·03·44	1·03·58	1·03·73	1·03·87	1·04·01	1·04·16	1·04·30	1.04·44
17·4	1·04·59	1·04·73	1·04·88	1·05·02	1.05·17	1·05·31	1·05·45	1·05·60	1·05·74	1·05·88
17·5	1·06·03	1·06·17	1·06·32	1·06·46	1·06·61	1·06·75	1·06·89	1·07·04	1·07·18	1.07·32
17·6	1·07·46	1·07·60	1·07·75	1·07·89	1·08·04	1·08·18	1·08·32	1·08·47	1·08·61	1·08·75
17·7	1·08·90	1·09·04	1·09·19	1·00·33	1·09·48	1·09·62	1·09·76	1·09·91	1·10·05	1·10·19
17·8	1·10·34	1·10·48	1·10·63	1·10·77	1·10·92	1·11·06	1·11·20	1·11·35	1·11·49	1·11·63
17·9	1·11·77	1·11·91	1·12·06	1·12·20	1·12·35	1·12·49	1·12·63	1·12·78	1·12·92	1·13·06
18·0	1·13·21	1·13·35	1·13.50	1·13·64	1·13·79	1·13·93	1·14·07	1·14·22	1·14·36	1·14·50
18·1	1·14·65	1·14·79	1·14·94	1·15·08	1·15·23	1.15·37	1·15·51	1·15.66	1·15·80	1·15·94
18·2	1·16·08	1·16·22	1·16·37	1·16·51	1·16·66	1·16·80	1·16·94	1·17·09	1·17·23	1·17·37
18·3	1·17·52	1·17·66	1·17·81	1.17·95	1·18·10	1·18·24	1·18·38	1·18·53	1·18·67	1·18·81
18·4	1·18·96	1·19·10	1·19·25	1·19·30	1·19·54	1.19·68	1·19·82	1·19·97	1·20·11	1·20·25

Table XII.

INDUCTION INCLINOMETER.

Scale Readings reduced to Arc of deviation from the Astronomical Meridian.

	0	1	2	3	4	5	6	7	8	9
18·5	1°20′40	1°20′54	1°20′69	1°20′83	1°20′98	1°21′12	1°21′26	1°21′41	1°21′55	1°21′69
18·6	1·21·83	1·21·97	1·22·12	1·22·26	1·22·41	1·22·55	1·22·69	1·22·84	1·22·98	1·23·12
18·7	1·23·27	1·23·41	1·23·56	1·23·70	1·23·85	1·23·99	1·24·13	1·24·28	1·24·42	1·24·56
18·8	1·24·71	1·24.85	1·25·00	1·25·14	1·25·29	1·25·43	1·25·57	1·25·72	1·25·86	1·26·00
18·9	1·26·14	1·26·28	1·26·43	1·26·57	1·26·72	1·26·86	1·27·00	1·27·15	1·27·29	1·27·43
19·0	1·27·58	1·27·72	1·27·87	1·28·01	1·28·16	1·28·30	1·28·44	1·28·59	1·28·73	1·28·87
19·1	1·29·02	1·29·16	1·29·31	1.29·45	1·29·60	1·29·74	1·29·88	1·30·03	1·30·47	1·30·31
19·2	1·30·45	1·30·59	1·30·74	1·30·88	1·31·03	1·31·17	1·31·31	1·31·46	1·31·60	1·31·74
19·3	1·31·89	1·32·03	1·32·18	1·32·32	1·32·47	1·32·61	1·32·75	1·32·90	1·33·04	1·33·18
19·4	1 33·33	1·33·47	1·33·62	1·33·76	1·33·91	1·34·05	1·34·19	1·34·34	1·34·48	1·34·62
19·5	1·34·77	1·34·91	1·35·06	1·35·20	1·35·35	1·35.49	1·35·63	1·35·78	1·35·92	1·36·06
19·6	1·36·20	1·36·34	1·36·49	1·36·63	1·36·78	1·36·92	1·37·06	1·37·21	1·37·35	1·37·49
19·7	1·37·64	1·37·78	1·37·93	1·38·07	1·38·22	1.38·36	1·38·50	1·38·65	1·38·79	1·38·93
19·8	1·39·08	1.39·22	1 39·37	1·39·51	1·39·66	1·39·80	1·39·94	1·40·09	1·40·23	1·40·37
19·9	1·40·51	1·40·65	1·40·80	1·40·94	1·41·09	1·41·23	1·41·37	1·41·52	1.41·66	1·41·80
20·0	1·41·95	1·42·05	1·42·24	1·42·38	1·42·53	1·42·67	1·42·81	1·42·96	1·43·10	1·43·24
20·1	1·43·39	1·43·53	1·43·68	1·43·82	1·43·97	1·44·11	1·44·25	1·44·40	1·44·54	1·44·68
20·2	1·44·82	1·44·96	1·45·11	1·45·25	1·45·40	1·45·54	1·45·68	1·45·83	1·45·97	1·46·11
20·3	1·46·26	1·46·40	1·46·55	1·46·69	1·46·84	1·46·98	1·47.12	1·47·27	1·47.41	1·47·55
20·4	1·47·70	1·47·84	1·47·99	1·48·13	1·48·28	1·48·42	1·48·56	1·48·71	1·48·85	1·48·99
20·5	1.49·14	1·49·28	1·49·43	1·49·57	1·49·72	1·49·86	1·50·00	1·50·15	1·50·29	1·50·43
20·6	1·50·57	1·50·71	1·50·86	1·51·00	1·51·15	1·51·29	1·51·43	1·51·58	1·51·72	1·51·86
20·7	1·52·01	1·52·16	1·52·30	1·52·44	1·52·59	1 52·73	1.52·87	1·53·02	1·53·16	1·53·30
20·8	1·53·45	1·53·59	1·53·74	1·53·88	1·54·03	1·54·17	1·54·31	1·54·46	1·54·60	1·54·74
20·9	1·54·88	1·55·02	1·55·17	1·55·31	1·55·46	1·55 60	1·55·74	1·55·89	1·56·03	1·56·17
21·0	1·56·32	1·56·46	1·56·61	1·56·75	1·56·90	1·57·04	1·57·18	1·57·33	1·57·47	1·57·61
21·1	1·57·76	1·57·90	1·58·05	1·58·19	1·58·34	1·58·48	1·58·62	1·58·77	1·58·91	1·59·05
21·2	1·59·19	1·59·33	1·59·48	1·59·62	1·59·77	1·59·91	2·00·05	2·00·20	2·00·34	2·00·48
21·3	2·00·63	2·00·77	2·00.92	2·01·06	2·01·21	2·01·35	2·01·49	2·01·64	2·01·78	2·01·92
21·4	2·02·07	2·02·21	2·02·36	2·02·50	2·02·65	2·02·79	2·02·93	2·03·08	2·03·22	2·03·36
21·5	2·03·51	2·03·65	2·03·80	2·03·94	2·04·09	2·04·23	2·04·37	2·04·52	2·04·66	2·04·80
21·6	2·04·94	2·05.08	2·05·23	2·05.37	2·05·52	2·05·66	2·05·80	2·05·95	2·06·09	2·06·23
21·7	2·06·38	2·06·52	2·06·67	2·06·81	2·06·96	2·07·10	2·07·24	2·07·39	2·07·53	2·07·67
21·8	2.07·82	2·07·96	2·08·11	2·08·25	2·08·40	2·08·54	2·08·68	2·08·83	2·08·97	2·09·11
21·9	2·09·25	2·09·39	2·09·54	2·09·68	2·09·83	2·09·97	2·10·11	2·10·26	2·10·40	2·10·54
22·0	2·10·69	2·10·83	2·10·98	2·11·12	2·11·27	2·11·41	2·11·55	2·11·70	2·11·84	2·11·98
22·1	2·12·13	2·12·27	2·12·42	2·12·56	2·12·71	2·12·85	2·12·99	2·13·14	2.13·28	2·13·42
22·2	2·13·56	2·13·70	2·13·85	2·13·99	2·14·13	2·14·27	2·14·42	2·14·57	2·14·71	2·14·85
22·3	2·15·00	2·15·14	2·15·29	2·15·43	2·15·58	2·15·72	2·15·86	2·16·01	2·16·15	2·16·29
22·4	2·16·44	2·16·58	2·16·73	2·16·87	2·17·02	2·17·16	2·17·30	2·17·45	2·17·59	2·17·73
22·5	2·17·88	2·18·02	2·18·17	2·18·31	2·18·46	2·18·60	2·18·74	2·18·89	2·19·03	2·19·17
22·6	2·19·31	2·19·45	2·19·60	2·19·74	2·19·89	2·20·03	2·20·17	2·20·32	2·20·46	2·20·60
22·7	2·20.75	2·20·89	2·21·04	2·21·18	2·21·33	2·21·47	2·21·61	2·21·76	2·21·90	2·22·04
22·8	2·22·19	2·22·33	2·22·48	2·22·62	2·22·77	2·22·91	2.23·05	2·23·20	2·23·34	2·23.48
22·9	2·23·62	2·23·76	2·23·91	2·24·05	2·24·20	2·24·34	2·24·48	2·24·63	2·24·77	2·24·91
23·0	2·25 06	2·25·20	2·25·35	2·25·49	2·25·64	2·25·78	2·25·92	2·26·07	2·26·21	2.26·35
23·1	2·26·50	2·26·64	2·26·79	2.26·93	2·27·08	2·27·22	2·27·36	2·27·51	2·27·65	2·27·79
23·2	2·27·93	2·28·07	2·28·22	2·28·36	2·28·51	2·28·65	2·28·79	2·28·94	2·29·08	2·29·22

TABLE XII.

INDUCTION INCLINOMETER.

Scale Readings reduced to Arc of deviation from the Astronomical Meridian.

	0	1	2	3	4	5	6	7	8	9
23.3	2°29′37	2°29′51	2°29′66	2°29′80	2·29′95	2°30′09	2°30′23	2°30′38	2°30′52	2°30′66
23·4	2·30·81	2·30·92	2·31·10	2.31·24	2·31·39	2·31·53	2·31·67	2·31·82	2·31·96	2·32·10
23·5	2·32·25	2·32·39	2·32·54	2·32·68	2·32·83	2·32·97	2·33·11	2·33·26	2·33·40	2·33·54
23·6	2·33·68	2·33·82	2 33·97	2·34·11	2·34·26	2·34·40	2·34·54	2·34·69	2·34·83	2·34·97
23·7	2·35·12	2·35·26	2·35·41	2·35·55	2·35·70	2·35·84	2·35·98	2·36·13	2·36·27	2·36·41
23·8	2·36·56	2·36·70	2·35·85	2·36·99	2·37·14	2·37 28	2·37·42	2·37·57	2·37·71	2·37·85
23·9	2·37·99	2.38·13	2·38·28	2·38·42	2·38·57	2·38·71	2·38·85	2·39·00	2·39·14	2·39·28
24·0	2·39·43	2·39·57	2·39·72	2·39·86	2·40·01	2·40·15	2·40·29	2·40·44	2·40·58	2·40·72
24·1	2·40·87	2·41·01	2·41·16	2·41·30	2·41.45	2·41·59	2·41·73	2·41·88	2·42·02	2·42·16
24·2	2·42·30	2·42·44	2·42.59	2·42·73	2·42·88	2·43·02	2·43·16	2·43·31	2·43·45	2·43·59
24.3	2·43·74	2·43·88	2·44·03	2·44·17	2·44·32	2·44·46	2·44·60	2·44·75	2·44·89	2·45·03
24·4	2·45·18	2·45·32	2·45·47	2.45·61	2·45·76	2·45·90	2·46·04	2·46·19	2·46·33	2·46·47
24·5	2·46·62	2·46·76	2·46·91	2·47·05	2·47·20	2·47·34	2·47·48	2·47·63	2·47·77	2·47·91
24·6	2·48·05	2·48·19	2·48·34	2·48.48	2·48·63	2·48·77	2·48·91	2·49·06	2·49·20	2·49·34
24·7	2·49·49	2·49·63	2·49·78	2·49·92	2·50·07	2·50·21	2·50·35	2·50·50	2·50·64	2·50·78
24·8	2·50·93	2·51·07	2·51·22	2·51·36	2·51·51	2·51·65	2·51·79	2·51·94	2·52·08	2·52·22
24·9	2·52·36	2·52.50	2·52·65	2·52·79	2·52·94	2·53·08	2·53·22	2·53·37	2·53·51	2·53·65
25·0	2·53·80	2·53·94	2·54·09	2·54·23	2·54·38	2·54.52	2·54·66	2·54·81	2·54·95	2·55·09
25·1	2·55·24	2·55·38	2 55·53	2· 55·67	2·55·82	2·55·96	2·56·10	2·56 25	2·56·39	2·56·53
55·2	2·56·67	2·56·81	2·56·96	2·57·10	2·57·25	2·57·39	2·57·53	2·57·68	2·57·82	2·57·96
25·3	2·58·11	2·58·25	2 58·40	2·58·54	2·58·69	2·58·83	2.58·97	2·59·12	2·59·26	2·59·40
25·4	2·59·55	2·59·69	2·59·84	2·59·98	3·00·13	3·00·27	3·00·41	3·00 56	3·00·70	3·00·84
25·5	3·00·99	3·01·13	3·01·28	3·01·42	3·01·57	3·01.·71	3·01·85	3·02·00	3·02·14	3·02·28
25·6	3·02·42	3·02·56	3·02·71	3·02·85	3·03·00	3·03·14	3.03.28	3·03·43	3·03·57	3·03·71
25·7	3·03·86	3·04·00	3 04·15	3·04·29	3·04·44	3·04·58	3·04·72	3·04·87	3.05·01	3·05·15
25·8	3·05·30	3·05.44	3·05·59	3·05·74	3·05·88	3·06·02	3·06·16	3·06·31	3·06·45	3·06·59
25·9	3·06·73	3·06·87	3·07·02	3·07·16	3·07·31	3·07·45	3·07·59	3·07·74	3·07·88	3·08·02
26·0	3·08·17	3·08·31	3·08·46	3·08·60	3·08·75	3·08·89	3·09·03	3·09·18	3·09·32	3·09·46
26·1	3·09·61	3·09·75	3·09·90	3·10·04	3·10·19	3·10·33	3·10·47	3·10·62	3·10·76	3·10·90
26·2	3·11·04	3·11·18	3·11·33	3·11·47	3·11·62	3·11·76	3·11·90	3·12·05	3·12·19	3·12.33
26·3	3·12·48	3·12·62	3·12·77	3·12·91	3·13·06	3·13·20	3·13·34	3·13·49	3·13·63	3·13·77
26·4	3·13·92	3·14·06	3·14·21	3·14·35	3·14·50	3·14·64	3·14·78	3·14·93	3·15·07	3·15·21
26·5	3·15·36	3·15·50	3·15·65	3·15·79	3·15·94	3·16·08	3·16·22	3·16·37	3·16·51	3·16·65
26·6	3·16·79	3·16·93	3·17·08	3.17·22	3·17·37	3·17·51	3·17·65	3·17·80	3·17·94	3.18·08
26·7	3·18.23	3·18·37	3.18·52	3·18·66	3·18·81	3·18·95	3·19·09	3·19·24	3·19·38	3·19·52
26·8	3·19 67	3·19·81	3·19·96	3 20·10	3·20·25	3·20·39	3·20·53	3·20·68	3·20·82	3·20·96
26·9	3·21·10	3·21·24	3·21·39	3·21·53	3·21·68	3·21·82	3.21·96	3·22·11	3·22·25	3·22·39
27·0	3·22·54	3.22·68	3·22·83	3·22·97	3·23·12	3·23·26	3·23·40	3·23·55	3·23·69	3·23·83
27·1	3 23·98	3·24·12	3·24·27	3·24·41	3·24·46	3·24.70	3·24·84	3·24·99	3·25·13	3·25·27
27·2	3·25·41	3·25·55	3·25·70	3·25·84	3·25·99	3·26·13	3·26·27	3·26·42	3.26·56	3·26·70
27·3	3·26·85	3·26.99	3·27·14	3·27·28	3.27·43	3 27·57	3·27.71	3·27·86	3·28·00	3·28·14
27·4	3·28·29	3·28·43	3·28·58	3·28·72	3·28·87	3·29·01	3.29·15	3·29·30	3·29·44	3·29·58
27·5	3·29.73	3 29·87	3·30·02	3·30·16	3·30·31	3·30.45	3·30·59	3·30·74	3·30·88	3·31·02
27·6	3·31·16	3·31·30	3·31·45	3·31·59	3·31·74	3·31·88	3.32·02	3·32·17	3·32·31	3·32·45
27·7	3·32·60	3·32·74	3·32·89	3·33·03	3·33·18	3·33·32	3·33·46	3·33·61	3·33·75	3·33·89
27·8	3·34·04	3·34·18	3·34·33	3·34·47	3·34·62	3·34·76	3·34·90	3·35·05	3·35·19	3·35·33
27·9	3·35·47	3·37·61	3·35·76	3·35·90	3·36·05	3·36·29	3·36·33	3·36·48	3·36·62	3·36·76
28·0	3·36·91	3·37.05	3·37·20	3·37·34	3·37·49	3·37.63	3·37·77	3·37·92	3·38·06	3·38·20

Table XIII.

SMALL DECLINATION No. III.

In Arc from Arbitrary Zero 18.

	0	1	2	3	4	5	6	7	8	9
18·0	0′·00	0′·06	0′·12	0′·18	0′·25	0′·31	0′·37	0′·43	0′·49	0′·55
18·1	0·61	0·67	0·73	0·79	0·86	0·92	0·98	1·04	1·10	1·16
18·2	1·22	1·28	1·34	1·40	1·47	1·53	1·59	1·65	1·71	1·77
18·3	1·84	1·90	1·96	2·02	2·09	2·15	2·21	2·27	2·33	2·39
18·4	2·45	2·51	2·57	2·63	2·70	2·76	2·82	2·88	2·94	3·00
18·5	3·06	3·12	3·18	3·24	3·31	3·37	3·43	3·49	3·55	3·61
18·6	3·67	3·73	3·79	3·85	3·92	3·98	4·04	4·10	4·16	4·22
18.7	4·28	4·34	4·40	4·46	4·53	4·59	4.65	4·71	4·77	4·83
18·8	4·90	4.96	5·02	5·08	5·15	5·21	5·27	5·33	5·39	5·45
18·9	5·51	5·57	5·63	5·69	5·76	5·82	5.88	5·94	6·00	6·06
19·0	6·12	6·18	6·24	6·30	6·37	6·43	6·49	6·54	6·60	6·66
19·1	6·73	6·79	6·85	6·91	6·98	7·04	7·10	7·16	7·22	7·28
19.2	7·34	7·40	7·46	7·52	7·59	7·65	7·71	7·77	7·83	7·89
19·3	7·95	8·01	8·07	8·13	8.20	8·26	8·32	8·38	8·44	8·50
19·4	8·57	8·63	8·69	8·75	8·82	8·88	8·94	9·00	9·06	9·12
19·5	9·18	9·24	9·30	9·36	9·43	9·49	9·55	9·61	9·67	9·73
19·6	9·79	9·85	9·91	9·97	10·04	10·10	10·16	10·22	10·28	10·34
19·7	10·40	10·46	10·52	10·58	10·65	10·71	10·77	10·83	10·89	10·95
19·8	11·02	11·08	11·14	11·20	11·27	11·33	11·39	11·45	11·51	11·57
19·9	11·63	11·69	11·75	11·81	11·88	11·94	12·00	12·06	12·12	12·18
20·0	12·24	12·30	12·36	12·42	12·49	12·55	12·61	12·67	12·73	12·79
20·1	12·85	12·91	12·97	13·03	13·10	13·16	13·22	13·28	13·34	13·40
20·2	13·46	13·52	13·58	13·64	13·71	13·77	13·83	13·89	13·95	14·01
20·3	14·08	14·14	14·20	14·26	14·33	14·39	14·45	14·51	14·57	14·63
20·4	14·69	14·75	14·81	14·87	14·94	15·00	15·06	15·12	15·18	15·24
20·5	15·30	15·36	15·42	15·48	15·55	15·61	15·67	15·73	15·79	15·85
20·6	15·91	15·97	16·03	16·09	16·16	16·22	16·28	16.34	16·40	16·46
20·7	16·52	16·58	16·64	16·70	16·77	16·83	16·89	16·95	17·01	17·07
20·8	17·14	17·20	17·26	17·32	17·39	17·45	17·51	17·57	17·63	17·69
20·9	17·75	17·81	17·87	17·93	18·00	18·06	18·12	18·18	18·24	18·30
21.0	18·36	18·42	18·48	18·54	18·61	18·67	18·73	18·79	18·85	18·91
21·1	18·97	19·03	19·09	19·15	19·22	19·28	19·34	19·40	19·46	19·52
21·2	19·58	19·64	19·70	19·76	19·83	19·89	19·95	20·01	20·07	20·13
21·3	20·20	20·26	20·32	20·38	20·45	20·51	20·57	20·63	20·69	20·75
21·4	20·81	20·87	20·93	20·99	21·06	21·12	21·18	21·24	21·30	21·36
21·5	21·42	21·48	21·54	21·60	21·67	21·73	21·79	21·85	21·91	21·97
21·6	22·03	22·09	22·15	22·21	22·28	22·34	22·40	22·46	22·52	22·58
21·7	22·64	22·70	22·76	22·82	22·89	22·95	23·01	23·07	23·13	23·19
21·8	23·26	23·32	23·38	23.44	23·51	23·57	23·63	23·69	23·75	23·81
21·9	23·87	23·93	23·99	24·05	24·12	24·18	24·24	24·30	24·36	24·42
22·0	24·48	24·54	24·60	24·66	24·73	24·79	24·85	24·91	24·97	25·03

TABLE XIV.

SMALL DECLINATON No. III.

Scale Readings reduced to Arc of deviation from the Astronomical Meridian.

	0	1	2	3	4	5	6	7	8	9
18·0	3′48	3′54	3′60	3′66	3′73	3′79	3′85	3′91	3′97	4′03
18·1	4·09	4·15	4·21	4·27	4·34	4·40	4·46	4·52	4·58	4·64
18·2	4·70	4·76	4·82	4·88	4·95	5·01	5·09	5·13	5·19	5·25
18·3	5·32	5·38	5·44	5·50	5·57	5·63	5·69	5·75	5·81	5·87
18·4	5·93	5·99	6·05	6·11	6·18	6·24	6·30	6·36	6·42	6·48
18·5	6·54	5·60	6·66	6·72	6·79	6·85	6·91	6·97	7·03	7·09
18·6	7·15	6·21	7·27	7·33	7·40	7·46	7·52	7·58	7·64	7·70
18·7	7·76	7·82	7·88	7·94	8·01	8·07	8·13	8·19	8·25	8·31
18·8	8·38	8·44	8·50	8·56	8·63	8·69	8·75	8·81	8·87	8·93
18·9	8·99	9·05	9·11	9·16	9·23	9·29	9·35	9·41	9·47	9·53
19·0	9·60	9·66	9·72	9·78	9·85	9·91	9·97	10·03	10·09	10·15
19·1	10·21	10·27	10·33	10·39	10·46	10·52	10·58	10·64	10·70	10·76
19·2	10·82	10·88	10·94	11·00	11·07	11·13	11·19	11·25	11·31	11·37
19·3	11·43	11·49	11·55	11·61	11·68	11·74	11·80	11·86	11·92	11·98
19·4	12·05	12·11	12·17	12·23	12·30	12·36	12·42	12·48	12·54	12·60
19·5	12·66	12·72	12·78	12·84	12·91	12·97	13·03	13·09	13·15	13·21
19·6	13·27	13·33	13·39	13·45	13·52	13·58	13·64	13·70	13·76	13·82
19·7	13·88	13·94	14·00	14·06	14·13	14·19	14·25	14·31	14·37	14·43
19·8	14·50	14·56	14·62	14·68	14·75	14·81	14·87	14·93	14·99	15·05
19·9	15.11	15·17	15·22	15·28	15·35	15·41	15·47	15·53	15·59	15·65
20·0	15·72	15·78	15·84	15·90	15·97	16·03	16·09	16·15	16·21	16·27
20·1	16·33	16·39	16·45	16·51	16·58	16·64	16·70	16·76	16·82	16·88
20·2	16·94	17·00	17·06	17·12	17·19	17·25	17·31	17·37	17·43	17·49
20·3	17·56	17·62	17·68	17·74	17·81	17·87	17·93	17·99	18·05	18·11
20·4	18·17	18·23	18·29	18·35	18·42	18·48	18·54	18·60	18·66	18·72
20·5	18·78	18·84	18·90	18·96	19·03	19·09	19·15	19·21	19·27	19·33
20·6	19·39	19·45	19·51	19·57	19·64	19·70	19·76	19·82	19·88	19.94
20·7	20·00	20·06	20·12	20·18	20·25	20·31	20·37	20·43	20·49	20·55
20·8	20·62	20·68	20·74	20·80	20·87	20·93	20·99	21·05	21·11	21·17
20·9	21·23	21·29	21·35	21·41	21·48	21·54	21·60	21·66	21·72	21·78
21·0	21·84	21·90	21·96	22·02	22·09	22·15	22·21	22·27	22·33	22·39
21·1	22·45	22·51	22·57	22·63	22·70	22·76	22·82	22·88	22·94	23·00
21·2	23·06	23·12	23·18	23·24	23·31	23·37	23·43	23·49	23·55	23·61
21·3	23·68	23·74	23·80	23·86	23·93	23·99	24·05	24·11	24·17	24·23
21·4	24·29	24·35	24·41	24·47	24·54	24·60	24·66	24·72	24·78	24·84
21·5	24·90	24·96	25·02	25·08	25·15	25·21	25·27	25·33	25·39	25·45
21·6	25.51	25·57	25·63	25·69	25·76	25·82	25·88	25·94	26·00	26·06
21·7	26·12	26·18	26·24	26·30	26·37	26·43	26·49	26·55	26·61	26·67
21·8	26·74	26·80	26·86	26·92	26·99	27·05	27·11	27·17	27·23	27·29
21·9	27·35	27·41	27·47	27·53	26·60	27·66	27·72	27·78	27·84	27·90
22·0	27·96	28·02	28·08	28·14	28·20	28·27	28·33	28·39	28·45	28·51

Table XIV.

SMALL DECLINATION No. III.

Scale Readings reduced to Arc of deviation from the Astronomical Meridian.

	0	1	2	3	4	5	6	7	8	9
	E. +	+	+	+	+	+	+	+	+	+
28·0	1° 4′68	1° 4′74	1° 4′80	1° 4′86	1° 4′93	1° 4′99	1° 5′05	1° 5′11	1° 5′17	1° 5′23
28·1	1· 5·29	1· 5·35	1· 5·41	1· 5·47	1· 5·54	1· 5·60	1· 5·66	1· 5·72	1· 5·78	1· 5·84
28·2	1· 5·90	1· 5·96	1· 6·02	1· 6·08	1· 6·15	1· 6·21	1· 6·27	1. 6·33	1· 6·39	1· 6·45
28·3	1· 6·52	1· 6·58	1· 6·64	1· 6·70	1· 6·77	1· 6·83	1· 6·89	1· 6·95	1· 7·01	1· 7·07
28·4	1· 7.13	1· 7·19	1· 7·25	1· 7·31	1· 7·38	1· 7·44	1· 7·50	1· 7·56	1· 7·62	1· 7·68
28·5	1· 7·74	1· 7·80	1· 7.86	1· 7.92	1· 7·99	1· 8·05	1· 8·11	1· 8·17	1· 8·23	1. 8·29
28 6	1· 8·35	1· 8·41	1· 8·47	1· 8·53	1· 8·60	1· 8·66	1· 8·72	1· 8·78	1· 8·84	1· 8·90
28·7	1· 8·96	1· 9·02	1· 9·08	1· 9·14	1· 9·21	1· 9·27	1· 9·33	1· 9·39	1· 9·45	1· 9·51
28·8	1· 9·53	1· 9·64	1· 9·70	1· 9·76	1· 9·83	1· 9·89	1· 9·95	1·10·01	1·10·07	1·10·13
28·9	1·10·19	1·10·25	1·10·31	1·10·37	1·10·44	1·10·50	1·10·56	1·10·62	1·10·68	1·10·74
29·0	1·10·80	1·10·86	1·10·92	1·10·98	1·11·05	1·11.11	1·11·17	1·11·23	1·11·29	1·11·35
29·1	1·11·41	1·11·47	1·11 53	1·11·59	1·11·66	1·11·72	1·11·78	1·11·84	1·11·90	1·11·96
29·2	1·12·92	1·12·08	1·12·14	1·12·20	1·12·27	1·12·33	1·12·39	1·12·45	1·12·51	1·12·57
29·3	1·12·64	1·12·70	1·12·76	1·12·82	1·12·89	1·12·95	1·13·01	1·13·07	1·13·13	1·13·19
29·4	1·13·25	1·13·31	1·13·37	1·13·43	1·13·50	1·13·56	1·13·62	1·13·68	1·13·74	1·13·80
29·5	1·13·86	1.13·92	1·13·98	1·14·04	1·14·11	1·14·17	1·14·23	1·14·29	1·14·35	1·14·41
29·6	1·14·47	1·14·53	1·14·59	1·14·65	1·14·72	1.14·78	1·14·84	1·14·90	1·14·96	1·15·02
29·7	1·15·08	1·15·14	1·15·20	1·15·26	1·15·33	1·15·39	1·15·45	1·15·51	1·15·57	1·15·63
29·8	1·15·70	1·15·76	1·15·82	1·15·88	1·15·95	1·16·01	1·16·07	1·16·13	1·16·19	1·16·25
29·9	1·16·31	1·16·37	1·16·43	1·16·49	1·16·56	1·16·62	1·16·68	1·16·74	1·16·80	1·61·86
30·0	1·16·92	1·16·98	1·17·04	1·17·10	1·17·17	1·17.23	1·17·29	1.17·35	1·17·41	1·17·47
30·1	1·17·53	1·17·59	1·17·65	1·17·71	1·17·78	1·17·84	1·17·90	1·17·96	1·18·02	1·18·08
30·2	1·18·14	1·18·20	1·18·26	1·18·32	1·18·39	1·18 45	1·18·51	1·18·57	1.18·63	1·18·69
30·3	1·18.76	1·18·82	1·18·88	1·18·94	1·19·01	1·19·07	1·19·13	1·19·19	1·19·25	1·19·31
30·4	1·19·37	1·19·43	1·19·49	1·19·55	1.19·62	1·19·68	1·19·74	1·19·80	1·19·86	1·19·92
30·5	1·19·98	1·20·04	1·20·10	1·20·16	1·20·23	1·20·29	1·20·35	1·20·41	1·20·47	1·20·53
30·6	1·20·59	1·20·65	1·20·71	1·20·77	1·20·84	1·20·90	1·20·96	1·21·02	1·21·08	1·21·14
30·7	1·21·20	1.21·26	1·21·32	1·21·38	1·21·45	1·21·51	1·21·57	1.21·63	1·21·69	1·21·75
30·8	1.21·82	1·21·88	1·21·94	1·22·00	1·22·07	1·22·13	1·22·19	1·22·25	1·22 31	1·22·37
30·9	1·22·43	1·22·49	1·22·55	1·22·61	1·22·68	1·22·74	1·22·80	1·22·86	1·22·92	1·22·98
31·0	1·23·04	1·23·10	1·23·16	1·23·22	1.23·29	1·23·35	1·23·41	1·23·47	1·23·53	1·23·59
31·1	1·23 65	1·23·71	1·23·77	1·23·83	1·23·90	1·23·96	1·24·02	1·24·08	1·24·14	1·24·20
31·2	1·24·26	1·24·32	1·24·38	1·24·44	1·24·51	1·24·57	1·24·63	1·24·69	1·24·75	1·24·81
31·3	1·24·88	1·24·94	1.25·00	1·25·06	1·25·13	1·25·19	1·25·25	1·25·31	1·25·37	1·25·43

BOMBAY, 1846.

MAGNETICAL OBSERVATIONS.

LARGE DECLINATION MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1ʰ	2ʰ	3ʰ	4ʰ	5ʰ	6ʰ	7ʰ	8ʰ	9ʰ	10ʰ	11ʰ
JANUARY, 1846.	1	14′592	14′728	13′940	13′802	13′700	13′355	13′630	13′562	13′768	13′493	13′355	13′355
	2	14·762	14·249	14·179	13·700	13·630	13·596	13·355	13·372	13·544	13·544	13·372	12·893
	3												
	4	13·785	13·974	14·076	13·802	13·837	13·700	13·802	12·533	13·837	14·008	14·179	13·630
	5	13·906	13·596	13·734	13·802	13·871	13·596	13·562	13·630	13·562	13·837	13·355	13·270
	6	13·115	13·562	13·664	13·562	13·700	13·974	13·734	13·734	13·562	13·355	13·425	13·184
	7	12·927	12·738	13·562	13·630	14·042	13·906	14·386	14·592	14·592	14·179	13·562	13·321
	8	13·527	14·351	13·562	13·664	13·802	13·906	13·493	13·802	13·906	14·162	13·957	13·493
	9	13·253	13·562	13·664	14·042	13·630	13·630	13·287	13·459	14·042	13·917	13·871	13·544
	10												
	11	13·510	13·442	13·768	13·871	13·974	13·871	13·802	13·837	13·906	13·837	13·425	13·219
	12	13·871	14·230	14·798	14·196	14·042	13·768	14·042	13·681	14·230	13·906	13·768	13·527
	13	14·076	13·287	13·321	13·579	13·802	13·562	13·734	13·579	13·681	13·596	13·562	12·876
	14	14·592	14·660	13·785	13·940	13·681	13·459	13·527	13·681	13·372	13·630	13·355	13·287
	15	15·280	14·317	14·249	13·871	13·837	13·510	13·647	13·562	13·768	13·493	13·544	13·510
	16	14·213	14·179	13·802	13·837	13·681	13·389	13·527	13·527	13·527	13·562	13·425	13·459
	17												
	18	15·450	14·626	13·991	14·008	13·700	13·630	13·630	13·700	13·871	14·042	13·630	13·493
	19	14·798	13·906	13·596	13·785	13·596	13·664	13·700	13·974	13·854	13·906	13·664	13·802
	20	14·888	13·871	13·906	13·906	13·906	13·681	13·647	13·871	13·819	13·562	13·527	13·270
	21	15·245	14·592	13·906	13·785	13·734	13·700	13·700	13·700	13·991	13·940	13·802	13·630
	22	15·211	13·717	13·219	13·613	13·459	13·596	13·562	13·681	13·459	13·700	13·219	12·355
	23	14·179	14·076	13·837	13·681	13·785	13·664	13·562	13·389	13·647	13·219	13·167	13·871
	24												
	25	15·348	14·626	13·923	12·871	13·906	14·025	14·128	14·008	14·111	13·871	13·459	13·476
	26	14·592	14·249	13·681	13·906	13·906	13·802	13·837	13·802	13·802	13·768	13·527	12·910
	27	14·592	14·557	13·751	14·042	13·923	13·940	13·562	13·957	13·819	13·406	13·527	13·562
	28	15·211	14·213	13·613	14·179	14·249	14·145	13·768	13·596	13·459	13·150	13·321	13·321
	29	14·970	13·940	13·819	13·940	13·819	13·785	13·768	13·630	13·734	13·837	13·613	13·459
	30	14·728	14·076	13·562	13·837	13·881	13·630	13·562	13·837	13·906	13·287	13·647	13·664
	31												

LARGE DECLINATION MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1ʰ	2ʰ	3ʰ	4ʰ	5ʰ	6ʰ	7ʰ	8ʰ	9ʰ	10ʰ	11ʰ
FEBRUARY, 1846.	1	15′657	14′936	13′906	14′334	14′420	13′906	14′008	13′906	13′906	13′596	13′681	13′630
	2	14·592	14·592	14·351	14·128	13·940	13·940	13·871	14·076	13·506	13·476	13·253	13·270
	3	13·717	13·253	13·219	13·562	14·179	13·664	13·562	13·527	13·184	13·527	13·596	13·287
	4	14·351	14·008	13·871	13·219	14·300	13·871	13·562	13·562	13·425	13·406	13·321	13·304
	5	13·871	13·802	13·768	13·837	13·630	13·355	13·425	13·425	13·579	13·459	13·253	13·459
	6	13·837	13·562	13·476	13·700	13·493	13·321	13·389	13·287	13·389	13·527	13·304	13·321
	7												
	8	14·368	13·493	13·253	13·768	13·768	13·459	13 664	13·871	13·768	13·664	13·596	12·978
	9	15·125	13·700	14 213	16·601	13·785	14·179	14·249	14·283	14·351	14·334	14·334	14·179
	10	15·108	13·717	12·806	13·167	13·389	13·425	14·042	13·802	13·906	13 647	13·562	13·047
	11	15·280	14·128	13·596	13·768	13·837	13·768	13·751	13·734	13·717	13·700	13·510	13·355
	12	15·485	14·317	13·476	13·871	13·562	13·664	13·734	13·355	13·802	13·819	13·630	14·819
	13	14·488	13·527	13·493	13·940	13·906	13·734	13·681	13·768	13·837	13·700	13·940	13 664
	14												
	15	15·794	14·660	14·249	14·249	14·694	14·179	13·700	13·389	13·459	13·132	12·514	13·425
	16	14·420	13·562	13·700	13 906	13·768	13·527	13·700	13·493	13·219	13·527	13·837	13·562
	17	14·042	13·734	13·493	13·837	13·596	13·664	13·871	13·389	13·562	13·030	13·425	13·425
	18	14·454	13 888	13·389	13·906	13·630	13·425	13 253	13·700	13·940	13·785	13·304	13·425
	19	14·557	13 734	13·184	13·253	13·304	13·184	13·219	13·389	13·219	13·167	13·098	13·013
	20	15·038	13·906	13·219	13·321	13·287	13·219	13·287	13·355	13·355	13·700	13·406	13·270
	21												
	22	14·592	13·717	13·219	13·476	13·287	13·013	12·978	13·081	13·132	13·236	12·995	12·806
	23	15·004	13·579	12·789	13·219	13·476	13·355	13·253	13·253	13·253	13·389	13·321	12·927
	24	14·815	13·871	13·081	13·253	13·064	13·219	13·287	13·287	13·321	13·253	13·219	13·184
	25	14·557	13·768	13·236	13·355	13·132	13·253	13·047	13·579	13·871	13·802	14·317	14·471
	26	15·176	14·059	13·253	13·768	13·664	13·253	14·076	14·145	14·213	13·389	12·806	13·047
	27	15·262	14·351	13·871	13·734	13·562	13·355	13·355	13·115	13·013	13·236	13·362	13·219
	28	14·626	14·592	13·940	13·630	13·664	13·802	13·630	13·425	13·389	13·327	13·321	13·425
	29												
	30												
	31												

LARGE DECLINATION MAGNETOMETER.

Date. Göttingen Mean Time.		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
JANUARY, 1846.	1	13′150	12′738	13′013	12′601	12′806	13′304	13′459	13′115	13′047	13′768	13′974	14′660
	2	13·219	13·098	12·840	12·256	13·115	13·304	13·630	13·562	14·249	14·867	14·317	14·437
	3												
	4	13·253	13·425	13·064	12·840	13·150	13·287	13·734	13·768	13·562	13·596	13·527	14·249
	5	12·584	12·497	12·497	11·639	12·050	12·876	13·013	13·253	13·887	14·249	13·802	13·081
	6	13·115	12·995	13·150	12·463	12·927	13·562	13·871	14·179	13·974	13·819	13·837	13·664
	7	13·544	12·772	12·635	12·738	13·527	14·694	14·557	14·711	14·798	14·317	14·557	14·454
	8	13·270	13·321	13·047	12·394	13·150	13·287	13·459	13·510	13·493	13·493	13·510	13·974
	9	13·030	13·389	13·081	13·425	14·042	14·970	14·557	13·304	13·064	13·287	13·768	14·249
	10												
	11	13·219	12·906	12·720	12·343	12·720	13·338	13·630	13·287	12·686	13·287	14·179	14·111
	12	13·333	13·253	12·876	11·981	12·480	13·871	14·694	14·403	14·798	15·211	15·519	14·832
	13	12·533	12·360	10·933	11·535	12·428	12·686	13·459	13·544	13·389	13·940	14·213	14·317
	14	13·287	12·686	12·428	11·947	12·669	13·802	14·317	14·523	16·034	16·172	16·447	15·623
	15	13·253	13·013	12·669	11·569	12·618	12·944	13·201	13·287	13·647	14·936	14·249	13·871
	16	13·150	13·030	12·910	12·533	13·047	13·219	13·445	13·081	14·351	14·523	14·523	15·004
	17												
	18	13·132	13·081	12·635	13·700	13·613	14·059	13·355	11·913	11·947	12·944	14·042	14·317
	19	13·425	13·304	13·047	13·167	14·230	14·059	13·098	12·703	12·119	12·084	13·287	14·179
	20	13·355	13·544	13·321	13·544	14·867	14·867	14·145	12·876	12·463	13·906	14·592	14·592
	21	13·013	13·132	13·047	13·047	14·403	14·938	12·222	11·053	11·191	12·256	13·425	14·798
	22	13·013	12·789	13·493	13·562	14·643	15·297	14·249	12·944	12·876	13·906	14·523	14·386
	23	13·700	13·219	12·601	13·132	15·348	16·549	14·317	11·535	11·310	13·425	14·694	14·660
	24												
	25	13·493	13·219	12·514	12·961	14·592	16·687	16·589	15·502	15·587	15·450	15·142	14·523
	26	13·355	13·372	12·857	12·870	13·647	14·179	14·867	14·867	14·523	14·728	14·523	14·386
	27	13·493	13·184	12·893	12·876	14·488	15·416	14·283	13·372	12·876	14·523	15·280	15·280
	28	12·703	12·239	11·810	11·947	13·510	15·125	15·331	14·386	14·694	15·142	15·004	15·142
	29	13·219	13·098	12·876	12·601	13·681	15·845	15·193	13·837	13·974	14·832	15·382	15·280
	30	13·493	12·944	12·876	13·219	14·283	14·592	14·008	12·703	13·047	14·523	15·280	15·553
	31												

LARGE DECLINATION MAGNETOMETER.

Date. Göttingen Mean Time.		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
FEBRUARY, 1846.	1	13′596	13′562	13′562	12′876	14′249	15′004	14′660	13′700	13′115	14′076	14′728	14′660
	2	13·630	13·425	13·389	13·562	14·042	14·454	13·906	12·360	12·601	13·047	13·013	13·081
	3	13·425	13·425	12·823	13·871	14·505	15·485	14·936	13·562	13·253	13·906	14·317	14·762
	4	13·236	12·720	13·321	13·596	14·694	15·416	14·798	13·493	13·013	13·081	13·184	13·459
	5	13·030	12·910	12·995	13·304	14·111	14·660	14·762	13·906	13·664	13·734	13·681	13·630
	6	12·840	13·030	12·876	12·550	13·906	14·454	14·249	13·425	13·630	14·111	14·592	14·592
	7												
	8	13·047	13·081	12·738	12·101	12·307	13·013	13·425	13·562	13·802	14·626	15·828	15·983
	9	14·111	13·751	13·768	12·188	12·876	12·463	12·188	12·806	12·978	14·042	15·348	15·897
	10	12·635	12·669	12·961	12·876	12·738	12·944	12·995	12·738	12·463	13·613	15·211	15·623
	11	13·184	13·013	12·927	12·567	13·013	12·326	11·707	11·689	11·981	13·253	14·762	15·845
	12	13·819	13·544	13·047	14·317	14·557	14·042	12·944	11·845	11·845	12·876	13·906	14·694
	13	13·081	13·047	13·425	13·562	14·145	13·940	12·978	12·119	12·463	13·802	14·300	14·798
	14												
	15	13·081	13·700	13·768	13·871	13·906	13·150	12·876	12·738	11·981	12·944	13·906	14·936
	16	12·876	13·734	14·042	14·249	15·193	14·386	13·802	12·806	12·188	12·360	12·669	13·493
	17	13·527	13·321	13·734	14·420	14·626	13·974	12·944	12·533	12·050	12·188	12·360	14·351
	18	13·287	13·562	13·459	13·906	13·734	13·906	13·081	12·326	11·981	12·463	13·459	14·351
	19	12·876	13·287	13·476	13·544	13·270	12·188	11·259	10·951	11·019	11·741	13·115	14·798
	20	13·802	13·389	13·647	14·334	14·196	13·630	12·084	11·913	11·569	12·497	13·630	14·745
	21												
	22	12·738	12·840	13·150	14·042	15·416	14·728	13·425	11·913	11·639	11·913	13·527	15·108
	23	13·098	13·219	13·596	14·798	14·936	13·630	11·981	11·293	11·225	11·535	12·772	14·454
	24	13·321	13·219	13·098	14·145	14·936	14·454	13·253	12·119	11·639	12·084	13·150	14·351
	25	15·553	14·901	14·162	14·936	14·660	13·321	12·050	12·463	13·013	13·321	13·888	15·142
	26	13·098	12·876	12·876	14·025	14·592	13·940	12·326	12·050	12·336	12·153	13·596	14·901
	27	13·510	13·389	13·940	14·849	15·021	14·249	12·806	11·397	11·019	11·810	13·219	14·317
	28	13·236	13·630	14·145	14·677	14·953	13·906	12·394	10·951	10·471	11·569	11·981	12·772
	29												
	30												
	31												

LARGE DECLINATION MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
MARCH, 1846.	1												
	2	13′940	13′630	13′287	13′493	13′785	13′562	13′562	13′527	13′613	13′493	13′219	13′253
	3	13·837	14·076	13·734	13·647	13·493	13·906	13·562	13·253	13·253	13·355	13·219	13·081
	4	14·317	13·837	13·459	13·253	13·664	14·179	13·287	13·304	13·064	12·806	12·669	12·840
	5	13·906	13·544	13·527	13·837	13·338	13·184	13·201	12·944	13·115	13·013	12·910	12·376
	6	13·940	13·219	12·944	13·047	12·910	13·132	12·944	13·081	13·219	12·944	13·081	12·601
	7												
	8	14·076	13·493	13·201	13·115	13·081	12·876	13·184	13·219	13·249	13·081	13·047	13·150
	9	14·042	13·664	13·013	13·219	13·150	13·219	13·510	13·647	13·562	13·219	13·389	12·978
	10	14·317	13·717	12·978	13·047	13·287	13·355	13·287	13·459	13·287	13·236	13·304	12·910
	11	13·664	13·562	12·961	13·150	13·081	13·219	12·910	13·630	13·768	13·287	13·562	13·064
	12	13·837	13·459	13·150	13·219	13·047	13·219	13·425	13·562	13·355	13·425	13·425	13·527
	13	13·837	13·630	14·213	14·505	13·940	13·837	14·144	14·386	14·317	14·386	15·004	14·711
	14												
	15	14·249	13·562	12·910	13·321	13·647	13·630	13·647	13·321	13·287	13·664	13·700	14·213
	16	13·906	13·321	13·459	13·287	13·287	13·406	13·802	13·906	14·230	14·728	13·459	13·802
	17	13·974	14·145	13·940	13·527	13·336	13·562	13·389	13·734	14·420	14·179	13·013	13·768
	18	14·042	13·562	13·630	13·476	13·270	13·425	13·562	13·562	13·700	13·596	13·321	13·700
	19	14·179	13·819	13·219	13·596	13·476	13·459	13·493	13·355	13·768	13·802	13·425	13·321
	20	13·802	13·700	13·527	13·219	13·184	13·425	13·372	13·355	13·219	13·355	13·184	13·321
	21												
	22	14·351	13·906	13·150	13·081	13·150	13·253	13·253	13·389	13·700	13·630	13·389	13·596
	23	13·047	13·493	13·476	13·150	13·219	13·081	13·219	13·562	13·717	13·596	13·562	13·527
	24	13·355	12·944	13·115	12·567	13·047	13·219	13·563	13·630	13·923	13·802	13·596	13·664
	25	13·974	14·008	13·253	12·944	12·910	12·851	12·601	12·944	13·013	13·047	12·772	12·703
	26	15·211	14·762	13·527	13·630	13·047	13·013	12·806	13·184	13·442	12·978	12·910	12·840
	27	13·562	13·219	12·806	13·150	13·768	13·219	13·030	13·253	13·321	13·355	13·030	12·876
	28												
	29	13·562	13·013	12·533	12·857	13·167	13·596	13·253	13·338	13·219	13·596	13·425	13·184
	30	13·219	13·493	13·219	13·287	13·664	13·442	13·406	13·527	13·681	13·562	13·355	13·321
	31	13·562	13·355	12·806	13·150	12·789	13·219	13·184	13·910	13·150	13·150	13·150	12·910

LARGE DECLINATION MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
APRIL, 1846.	1	14′592	14′488	13′562	12′944	12′978	13′253	12′876	12′772	13′115	13′030	13′355	13′081
	2	13·562	14·076	14·042	13·253	13·081	13·115	12·893	13·150	13·236	13·287	13·287	13·150
	3	13·940	13·837	13·253	12·876	12·703	12·789	12·893	13·253	13·493	13·442	13·562	13·321
	4												
	5	13·789	13·630	13·115	12·944	13·184	13·184	13·355	13·372	13·527	13·664	13·630	13·527
	6	13·906	13·974	14·053	14·111	13·802	14·042	14·420	14·660	14·936	15·553	14·351	14·728
	7	13·562	13·906	13·940	13·493	13·768	13·923	14·213	14·145	14·128	14·454	14·505	14·386
	8	13·906	13·871	14·111	13·287	13·837	13·734	13·888	13·900	13·664	13·871	13·906	13·854
	9	14·042	13·837	13·219	12·806	13·219	13·734	13·596	13·562	13·253	13·700	13·751	13·493
	10	13·837	13·287	12·686	12·497	12·669	13·219	13·888	14·592	14·936	13·562	13·630	14·213
	11												
	12	13·596	13·076	13·425	12·789	13·081	13·236	13·389	13·630	13·734	13·906	13·837	13·630
	13	12·601	13·047	13·219	13·253	13·047	13·287	13·957	14·249	14·249	14·145	13·253	13·630
	14	13·150	13·974	13·871	13·081	13·064	13·115	13·596	13·681	13·871	14·008	13·562	13·527
	15	12·119	12·497	12·360	12·533	13·081	13·219	13·219	13·219	14·213	13·940	14·523	14·420
	16	13·837	13·876	13·837	13·768	14·317	13·974	14·901	13·837	13·906	14·540	13·940	14·574
	17	13·493	13·562	13·287	13·562	13·236	13·287	13·906	13·734	13·562	13·974	13·871	13·991
	18												
	19	13·562	13·459	12·876	13·681	13·493	13·510	13·940	14·059	14·059	14·179	14·213	13·871
	20	13·287	13·389	13·115	13·219	13·115	13·338	13·527	13·768	13·664	13·700	14·076	13·717
	21	13·768	14·059	13·459	13·287	13·355	13·338	13·236	13·287	13·132	13·219	13·802	13·700
	22	14·557	14·694	13·321	13·493	13·734	14·008	13·596	13·630	13·974	13·768	13·785	13·596
	23	11·707	12·428	12·567	12·806	13·013	13·219	13·527	13·321	13·837	13·493	13·906	13·906
	24	13·734	14·213	13·906	13·219	13·081	12·978	13·184	13·150	13·389	13·630	13·493	13·013
	25												
	26	13·802	14·042	13·837	13·947	13·219	13·219	13·219	13·596	13·338	13·630	13·081	13·167
	27	13·940	13·940	14·179	13·630	13·837	13·425	13·338	13·562	13·287	13·562	13·630	13·596
	28	13·389	14·145	13·906	13·287	13·219	13·459	13·406	13·596	13·647	13·871	13·974	13·664
	29	12·326	13·115	13·664	12·876	12·669	13·270	13·287	13·184	13·647	13·734	13·871	13·562
	30	13·150	13·321	13·906	13·768	13·425	12·944	13·562	13·871	13·476	13·562	13·562	13·785
	31												

Date. Göttingen Mean Time.		LARGE DECLINATION MAGNETOMETER											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
MARCH, 1846.	1												
	2	12′944	13′304	13′768	13′681	14′059	14′145	12′876	11′776	11′465	11′569	11′981	132′19
	3	13·115	13·013	13·219	13·854	14·936	14·471	13·906	13·219	12·738	12·669	13 355	14·213
	4	12·789	12·978	13·425	13·389	13·304	12·876	12·239	12·188	11·913	12 050	12·876	13·940
	5	12·806	12·806	13·098	14·042	14·557	14·351	13·717	13·184	12·567	13·081	13·355	13·906
	6	12·463	12·961	13·201	13·544	14·420	14·266	13·837	12·533	11·707	12·153	13·150	14·042
	7												
	8	12·910	13·098	13·476	13·940	14·008	13·613	13·219	11·879	11·327	11·569	12·806	13·906
	9	12·772	12·978	13·081	14·111	14·420	13·906	13·081	12·050	11·758	12·256	13·081	13·906
	10	12·978	12·978	13·837	14·179	14·454	13·630	12·463	11·363	11·019	11·122	13 810	13·013
	11	12·876	12·893	13·613	14·196	14·420	14·592	13·304	11·998	11·191	11 363	12·463	13·355
	12	13·287	13·321	13·596	14·111	14·196	14·249	13·219	12·533	12·533	13·150	13·974	14·008
	13	14·694	14·008	13·991	14·745	14·901	14·592	14·249	13·219	12·806	12·944	13·150	13·906
	14												
	15	13·562	13·717	13·493	13·923	14·351	14·351	14·249	13·425	12·256	11·603	12·738	13·287
	16	13·906	13·355	13·493	13·974	14·076	13 613	12·857	12·360	11·191	11·431	12·497	12·944
	17	13·700	13·888	13·819	14·557	14·970	14·660	13·802	12·876	11·845	11·845	12·188	12·978
	18	13·630	13·355	13·734	14·798	15·348	15·450	15·074	13·630	12·428	12·180	12·806	13·906
	19	13·270	13·098	13·013	14·145	14·646	14·592	14·646	13·802	12·703	12·256	12·669	13 425
	20	13·253	13·664	14·008	15·811	15·159	15·384	14·798	13·419	12·188	12·050	12·326	12·738
	21												
	22	13·219	13·132	12·463	13·493	13·674	13·630	13·562	13·219	12·119	11·363	11·431	12·188
	23	13·287	13·287	13·768	14·213	15·623	15·348	15·074	14·249	12·669	11·501	12·050	13·184
	24	13·219	13·132	13·219	14·111	15·108	15·725	15·004	13·150	11·225	10·814	11·431	13·081
	25	12·497	12·463	12·618	14·042	15·467	16·723	16·996	15·108	13·219	11·845	12·394	13·837
	26	12·601	12·755	13·047	14·042	14·677	14·660	14·249	12·806	11·639	11·088	11·569	13·253
	27	12·567	12·703	13 115	14·283	15·640	16·240	16·447	14·317	12·463	12·015	11·913	13·253
	28												
	29	13·253	12·995	12·550	13·150	13·596	14·025	13·906	13·527	12·188	11·776	11·947	12·978
	30	13·355	13·270	13·064	13·510	13 527	13·219	13·047	11·053	10·453	10·471	11·431	12·738
	31	12·360	12·876	12·910	14·557	15·176	15·038	11·592	12·533	11·741	11·673	12·567	14·042

Date. Göttingen Mean Time.		LARGE DECLINATION MAGNETOMETER.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
APRIL, 1846.	1	13′030	13′304	13′579	15′074	16′034	16′326	15′623	14′196	12′738	12′188	12′669	13′287
	2	12·910	13·132	13·219	14·230	14·970	15 897	16·034	15·211	13·425	11·879	12 497	13·321
	3	13 219	13·219	13·389	14·249	14·867	16·996	15·553	14·059	12·533	11·913	12·428	13·219
	4												
	5	13·389	13·338	13·562	14·505	15·159	15·657	15·176	14·592	14·042	13·700	13·184	13.425
	6	14·317	14·403	15·365	15·931	16·378	15·828	14·762	13·047	11·431	10·676	11·981	12·910
	7	14·145	13·647	14·042	15·245	15·587	15·760	14·798	12·635	11·810	11·569	12·256	13·562
	8	13·837	13·837	15·038	15·760	16·532	16·343	15·211	12·961	11·603	11·603	12·463	13·425
	9	13·219	13·184	14·025	14·901	15·485	14·918	13·596	11·535	10·641	10·882	12·326	13·287
	10	14·351	13·854	13·837	14·557	14·488	14 592	13·150	11·776	10·882	11·019	10·985	11·363
	11												
	12	13·425	13·355	13·681	15·055	16·274	16·240	14·283	12 738	11·776	10·951	11·019	11·225
	13	13·564	13·081	14·008	15·623	16·068	15·211	14·592	13·219	11·776	11·019	11·363	12 119
	14	13 184	12·618	13·734	15·280	15·536	14·936	14·523	13·389	12 290	12·463	17·707	11·327
	15	13·837	13·562	13·493	15·245	15·245	14·592	13·562	13·115	11·810	11·707	12·050	12·394
	16	13·596	13·940	14·300	14·867	15·348	14·936	13·837	12·533	11·776	10·607	11·741	12·533
	17	13·287	13·579	13·871	14·728	14·867	14·179	13·184	11·845	11·242	10·402	11·225	11·845
	18												
	19	13·802	14·145	14·779	16·085	16·532	16·309	14·230	11·845	10·471	11·019	11·913	12·601
	20	14·076	13·940	14·918	16·000	16·206	15·280	13·406	11·397	10·933	11·293	12·153	13·150
	21	13·425	13·700	14·832	16·378	16·566	16·274	14·677	13·287	12·428	12·050	13·150	13·768
	22	13·389	14·128	15·623	16·447	15·897	13·906	11·501	9·836	9·132	9·234	9·921	10·641
	23	13·321	13·150	14·403	15·931	16·789	15·348	13·630	11·157	10·436	10·092	11·259	12·635
	24	13·013	12·910	14·213	16·584	17·578	16·274	13·802	17·569	10·436	11·122	11·501	12·119
	25												
	26	13·287	13·630	14·762	15·416	15·862	15·587	14·626	13·219	11·501	11·225	12·326	13·047
	27	13·442	13·321	14·523	15·228	15·485	14·609	13·219	11·845	11·259	11·569	12·360	12·738
	28	13·630	13·406	13·923	15·553	16·102	15·211	13·562	12·910	11·845	11·776	11·845	11·913
	29	13·562	12·669	13·321	15·108	16·119	15·657	14·454	13·132	12·119	11·225	11·569	12·497
	30	13·562	13·219	13·734	15·038	15·280	15·280	14·471	13·596	12·635	11·673	12·119	12·601
	31												

Date. Göttingen Mean Time.		LARGE DECLINATION MAGNETOMETER.											
		Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
MAY, 1846.	1	13′013	13′734	14′025	13′406	13′064	13′219	13′304	13′493	13′493	13′425	13′425	13′287
	2												
	3	13·425	13·910	14·592	13·768	13·321	13·219	13·253	13·236	13·459	13·527	13·664	13·562
	4	11·913	11 947	11·707	13·738	13·355	14·249	14·249	14·334	13·906	14·283	13·940	14·454
	5	13·219	13·219	13·562	13·562	13·562	13·613	13·906	13·819	13·957	14·626	14·867	14·798
	6	14·249	14·042	13·562	13·287	13 562	13·906	13·906	13·991	14·351	14·042	14·111	13·802
	7	14·557	14·488	13·734	12·876	13·078	13·562	13·871	14·249	14·317	14·249	14·249	13·871
	8	13·081	13·700	13 802	13·219	13·253	13·287	14·213	13·664	14·162	14·523	14·488	14·386
	9												
	10	13·802	14·042	13·562	12·944	12·893	13·184	13·219	13·236	13·819	13·802	13·768	13·837
	11	13·047	14·042	13·768	13·081	12·876	12·272	13·321	13·613	13·871	13·974	14·076	14·111
	12	12.188	12·467	12·084	13·510	13·201	13·871	14·249	14·420	14·317	15·004	14·523	15·211
	13	13·287	14·351	14·867	13·906	13·630	13·647	13·389	13·906	14·386	14·008	14·249	14·557
	14	13·150	13·837	14·076	13·940	13·493	13·630	13·837	13·837	14·230	13·389	13·768	13·734
	15	12·635	13·219	13·940	13·287	13·287	13·579	13·562	13·579	13·871	13·700	13·837	13·562
	16												
	17	12·927	13·253	12·876	12·876	12·978	12·876	13·630	13·630	13·527	13·527	13·510	13·734
	18	13·013	12·428	11·947	11·827	12·188	12·806	13·459	13·562	13·562	13·906	14·008	13·562
	19	13·837	14·488	13·389	12·840	12·876	13·355	13·613	13·906	13·717	13·562	13·081	13·389
	20	13·630	13·562	13·270	13·493	12·944	13·802	13·785	13·613	13·236	13 630	13·562	13·219
	21	14·042	13·837	13·372	13·906	13·287	13·562	12·601	13·562	13·871	13·768	13·700	13·596
	22	12·428	13·562	13·871	13·098	13·219	13·321	13·167	13·459	13·184	13·768	13·906	13·630
	23												
	24	14·317	14·745	14·249	13·253	13·184	13·562	13·493	12·876	13·167	13·562	13·700	13·527
	25	13·940	13·974	14·249	14·145	13·132	13·201	12·876	13·579	13·596	13·871	13·837	14·008
	26	14·179	14·145	14·025	13·493	13·493	13·132	13·270	13·219	13·476	13·219	13·579	13·630
	27	13·906	14·488	14·249	13·184	13·219	13·579	13·717	13·596	13·768	13·459	13·837	13·734
	28	13·355	13·219	12·914	12·944	12·944	13·013	13·219	13·510	13·493	13·768	13·802	13·630
	29	12·601	13·664	13·837	13·304	13·064	13·459	13·355	13·596	13·923	13·664	13·664	13·837
	30	12·394	12·533	12·326	12·876	12·533	13·201	13·562	13·906	14·249	14·249	14·111	13·700
	31												

Date. Göttingen Mean Time.		LARGE DECLINATION MAGNETOMETER.											
		Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
JUNE, 1846.	1	13′115	13′219	12′944	12′876	12′686	13′047	13′030	13′514	13′562	14′111	13′768	13′837
	2	13 355	13·081	12·978	12·789	12·755	13·013	13·700	14·219	14·249	13·940	14·557	14·008
	3	13·630	13·906	13·768	12·999	12·995	13·647	13·389	13·751	13·596	13·493	13·837	13·219
	4	13·596	13·630	13·219	13·219	13·287	13·837	14·008	13·906	13·837	14·179	14·145	13·906
	5	13·562	13·287	13·219	12·567	12·669	13·219	13·562	14·128	13·802	13·734	14·042	13·664
	6												
	7	13·562	13·081	12·601	12·256	12·806	13·219	13·802	13·906	14·249	14·249	14·351	14·540
	8	13·493	13·630	13·544	12·876	13·013	13·253	13·459	13·700	13·888	13·923	13·906	13·906
	9	12·806	12·618	12·876	12·944	13·493	13·906	14·283	14·523	14·574	14·867	14·901	14·867
	10	12·119	13·081	13·562	13·906	14·249	14·111	14·196	13·700	14·076	14·145	14·145	14·213
	11	13·064	13·854	14·145	13·081	13·081	13·219	13·184	13·389	13·768	13·974	13·974	13·664
	12	12·910	13 906	12·995	12·567	12·772	13·562	13·219	13·219	13·768	13·871	13·906	13·906
	13												
	14	12·188	12·533	13·047	12·738	13·150	13·389	12·533	12·772	13·115	13·150	13·287	12·876
	15	12·601	13·081	13·355	12·394	12·343	13·219	12·893	14·213	13·906	13·184	13·425	13·974
	16	11·947	13·389	13·562	13·596	12·669	13·047	13·304	13·219	13·562	13·321	13·389	13·802
	17	11·845	12·188	12·961	12·480	12 823	12·806	13·219	12·893	13·219	13·493	13·115	13·150
	18	12·840	13 030	13·030	12·876	12·738	12·927	12·961	12·876	12·601	13·184	12·910	12·978
	19	13·425	13·562	13·047	12·789	12·876	12·978	13·219	13·287	13·647	13·562	13·287	13·253
	20												
	21	14·213	14.910	14·454	12·428	12·391	12·463	12·840	13·150	12·755	13·150	13·321	13·287
	22	12·256	12·601	13·219	12·205	12·601	12·840	12·806	12·789	12·876	13·321	13·287	13·425
	23	12·840	13·562	13·630	12·806	13·321	12·738	13·081	13·510	13·338	13 355	13·493	13·425
	24	13·493	14·128	14·660	13·734	13·219	13·253	13·219	13·219	13·219	13·115	13·389	13·287
	25	12·669	13·700	13·630	12·601	12·050	12·222	12·584	12·533	13·047	13·562	13·630	13·630
	26	12·738	12·944	13·287	12·463	12·394	12·445	12·876	13·425	13·459	13·735	13·940	13·906
	27												
	28	11·981	12·876	12·550	12·360	12·533	12·910	13·219	13·081	13·219	13·425	13·837	13·425
	29	12·015	12·222	12·533	12·876	12·428	12·290	12·533	13·098	13·406	13·389	13·906	13·906
	30	11·501	12·256	12·876	12·119	12·239	12·703	12·738	13·201	13·150	13·527	13·562	13·717
	31												

LARGE DECLINATION MAGNETOMETER.

Date. Göttingen Mean Time.		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
MAY, 1846	1	13'321	13'253	13'802	15'142	15'725	15'450	14'867	13'081	11'913	11'741	11'741	12'188
	2												
	3	13·389	13·219	14·249	15·004	15·433	15·587	14·317	12·601	11·501	11·810	11·845	11·776
	4	15·211	14·884	15·725	16·068	16·412	14·592	14·179	12·876	11·776	11·947	12·453	12·738
	5	14·745	14·249	14·609	15·094	14·798	14·249	12·635	12·084	11·741	12·567	13·150	13·837
	6	13·974	13·613	14·970	15·845	16·068	15·623	13·219	11·776	11·088	11·259	12·876	13·974
	7	13·906	13·940	14·798	15·450	15·280	13·837	12·691	11·157	10·367	10·367	11·501	12·463
	8	13·630	13·613	15·348	17·578	16·960	14·815	11·501	10·092	10·196	11·191	12·394	13·425
	9												
	10	13·700	13·906	15·416	16·309	16·343	15·604	12·497	10·814	9·887	10·196	11·088	11·225
	11	13·527	14·111	16·378	17·441	17·544	15·623	13·837	11·964	9·955	9·955	11·088	11·293
	12	14·660	14·314	15·966	16·315	16·378	15·897	14·420	13·098	11·845	11·707	11·501	12·738
	13	14·042	14·505	16·618	16·840	16·653	15·125	12·876	11·845	10·951	10·539	11·639	12·601
	14	14·179	14·283	15·862	15·914	15·416	14·471	13·030	11·845	11·707	11·913	12·463	12·567
	15	13·768	13·768	14·867	15·760	15·485	14·523	13·219	12·015	11·569	11·157	11·741	11·913
	16												
	17	13·837	14·093	15·038	15·725	15·450	14·420	12·944	11·845	10·951	11·845	12·601	13·184
	18	13·906	13·906	15·314	16·378	16·464	15·587	13·270	11·845	11·656	11·913	12·326	13·013
	19	13·219	13·613	14·694	15·245	15·485	14·488	12·497	11·501	10·985	11·259	12·188	12·533
	20	12·944	13·906	15·074	15·760	14·901	13·562	12·015	10·624	10·367	11·157	12·119	12·876
	21	13·734	14·557	16·549	17·339	17·252	15·742	13·219	10·778	9·579	9·853	10·539	11·293
	22	13·562	14·025	15·640	16·960	17·373	15·725	13·974	12·635	11·845	11·002	11·569	13·150
	23												
	24	13·287	14·317	15·245	16·412	16·343	14·592	12·256	10·471	10·814	10·778	11·879	13·013
	25	13·768	14·128	15·485	16·274	15·966	14·008	12·170	11·088	10·384	10·814	12·256	13·219
	26	13·700	13·940	15·331	16·429	16·447	15·262	12·119	11·776	10·471	10·402	11·431	12·601
	27	13·630	14·025	14·910	15·691	15·382	14·936	13·287	12·101	12·015	11·981	12·497	12–635
	28	13·562	14·128	14·815	15·623	15·966	14·660	11·845	9·681	9·098	9·372	10·539	11·431
	29	14·351	14·351	15·485	16·309	15·760	14·076	12·567	11·397	11·088	11·157	11·810	11·981
	30	14·592	14·557	15·382	15·657	15·760	14·901	13·768	12·618	11·639	11·259	11·259	11·501
	31												

LARGE DECLINATION MAGNETOMETER.

Date. Göttingen Mean Time.		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
JUNE, 1846.	1	13'906	14'660	15'604	15'467	14'815	13'854	12'533	11'586	11'879	11'913	13'013	13'493
	2	14·660	14·437	15·004	16·068	14·779	14·213	13·047	12·343	11·157	11·707	12·119	12·876
	3	13·253	13·647	14·314	16·374	16·653	15·897	14·386	13·476	11·845	11·293	11·913	12·533
	4	13·734	14·179	15·280	15·674	14·592	12·601	11·501	10·814	11·157	12·463	13·287	13·562
	5	14·076	14·523	14·314	15·862	15·416	13·613	11·845	11·448	11·191	11·776	12·601	12·876
	6												
	7	14·386	14·454	16·223	16·687	15·485	12·910	10·865	9·870	10·128	11·225	12·326	12·806
	8	13·734	15·038	16·789	17·612	17·782	16·909	14·936	13·562	12·618	12·050	12·703	12·497
	9	14·592	14·317	15·450	17·098	16·823	15·623	14·213	12·876	10·814	10·539	10·471	10·814
	10	13·630	14·145	15·879	16·996	16·395	15·280	14·249	11·845	10·024	9·785	10·471	11·673
	11	14·115	14·249	15·623	16·034	15·966	15·142	13·219	10·575	9·303	9·098	9·990	11·845
	12	13·837	13·906	15·314	16·034	15·828	14·008	11·845	10·128	9·767	9·716	9·132	10·402
	13												
	14	13·150	13·459	14·694	15·623	16·996	15·966	14·471	11·913	11·501	11·327	11·639	11·845
	15	14·042	14·008	15·176	16·136	15·897	15·623	14·762	13·304	11·501	10·573	10·471	10·710
	16	13·219	12·823	14·249	15·536	16·309	16·068	14·249	12·669	11·501	10·882	10·299	11·174
	17	13·253	13·132	14·592	15·794	15·897	16·000	15·211	12·463	11·088	10·882	11·431	12·463
	18	12·326	13·664	14·798	14·867	14·832	14·283	11·845	11·845	11·776	11·810	11·810	12·290
	19	13·253	13·630	13·630	14·832	14·762	14·145	12·927	11·845	10·607	10·196	11·569	12·738
	20												
	21	13·081	13·389	14·420	14·592	13·906	12·738	11·225	10·265	9·183	9·853	11·157	11·639
	22	13·537	12·910	13·562	13·717	14·249	13·700	12·876	12·153	11·535	11·293	11·776	11·981
	23	13·596	14·368	15·502	16·119	15·708	13·664	12·567	11·879	11·191	10·333	10·814	12·222
	24	13·906	14·592	15·828	15·450	14·592	13·700	12·360	12·119	11·501	11·088	11·603	11·845
	25	13·906	14·249	15·314	15·519	14·626	12·772	11·501	10·814	10·471	10·607	11·535	12·256
	26	13·906	14·283	15·416	15·416	15·004	14·230	12·927	11·845	11·157	10·402	10·402	10·505
	27												
	28	13·355	13·219	14·592	15·966	16·515	16·000	13·906	12·533	11·157	10·951	11·501	12·119
	29	13·562	13·871	14·987	15·382	15·485	15·280	14·249	13·389	11·501	10·951	10·265	10·848
	30	13·734	14·351	15·108	15·485	16·000	15·228	12·944	11·501	10·624	10·471	9·785	10·196
	31												

LARGE DECLINATION MAGNETOMETER.

Date.	Göttingen Mean Time.	Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
JULY, 1846.	1	11′157	12′428	12′995	12′533	12′857	13′047	13′013	13′150	13′219	13′321	13′219	13′047
	2	11·845	11·639	11·776	12·497	12·567	12·601	12·686	12·944	13·287	13·630	13·562	13·906
	3	13·184	13·510	13·184	13·115	13·047	12·360	12·136	12·188	12·360	13·219	13·150	12·876
	4												
	5	12·394	13·425	12·703	12·394	12·669	12·703	12·601	13·150	13·236	13·906	13·837	14·317
	6	12·876	13·184	12·635	11·913	12·188	12·567	12·755	13·132	13·389	13·596	13·906	13 527
	7	12·497	12·755	12·978	13·630	13·013	12·876	13·389	12·514	13·219	13·751	13·888	13·406
	8	12·738	13·236	12·876	12·669	12·601	12·876	13·150	13·184	13·219	13·219	13·389	13·389
	9	13·287	13·562	13·355	12·463	12·533	12·618	12·944	13·013	13·219	13·425	13·219	13·287
	10	12·463	13·389	13·871	12·910	12·497	12·533	11·845	12·463	13·493	13·389	13·802	14·076
	11												
	12	13·184	13·389	13·974	14·488	13·425	12·910	13·132	13·081	13·150	12·806	13 081	13·219
	13	12·533	14·059	13·115	12·806	12·256	12·533	13·510	14·179	12·703	13·253	13·219	12·738
	14	12·050	12·567	13·287	12·806	12·445	12·533	12·669	12·806	13·150	13·355	13·287	13·459
	15	11·673	12·119	13·219	12·876	13·098	12·995	13·013	13·219	13·132	13·355	13·253	13·355
	16	12·428	13·081	13·167	12·738	12·738	12·995	12·910	12·703	12·550	13·150	13 201	13·081
	17	12·394	12·876	12·876	12·944	12·188	12·703	13·219	13·150	13·219	13·219	13·876	13·013
	18												
	19	12·944	13·802	13·527	12·772	13·150	12·876	13·047	12·669	12·840	13·013	12·978	13·287
	20	13·253	12·961	12·738	12·601	12·876	12·669	12·533	12·533	12·497	12·772	12·533	13·219
	21	13·630	14·626	13·664	12·256	12·084	12·222	11·862	12·360	12·533	12·428	12·567	12·876
	22	13·768	13·630	12·720	12·326	12·290	12·584	12·635	12·669	12·533	12·497	12·567	12·910
	23	12·806	13·013	13·013	13·115	12·635	12·533	12·567	12·567	12·567	12·738	12·738	13·150
	24	12·876	12·789	12·550	11·620	12·119	12·188	12·635	13·493	13·664	13·837	14·386	14·111
	25												
	26	12·635	13·047	12·635	11·947	12·256	12·428	12·497	12·703	12·876	13·219	13·115	13·425
	27	12·840	13·184	13·150	12·463	12·394	12·533	12·823	13·013	12·910	13·184	13·150	12·944
	28	12·669	13·150	12·738	12·188	12·188	12·153	12·533	15·567	12·944	13·184	13·184	13·219
	29	11·122	11·810	12·290	12·533	13·013	13·562	13·923	13·734	13·596	13·150	13·425	13·287
	30	12·050	13·184	12·533	11·845	11·293	12·012	12·533	12·533	12·823	13·459	13·219	13·871
	31	11·776	12·394	12·360	12·463	12·360	13·184	12·961	12·961	12·635	13·253	13·253	12·601

LARGE DECLINATION MAGNETOMETER.

Date.	Göttingen Mean Time.	Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
AUGUST, 1846.	1												
	2	12′188	13′047	13′013	12′119	12′239	12′463	12′463	13′030	13′030	13′425	12′738	13′425
	3	12·293	11·776	12·290	11·776	12·326	12·497	12·876	12·601	12·772	12·978	13·047	12·944
	4	12·533	12·893	12·876	12 360	12·290	12·876	12·876	13·047	12·669	12·893	13·167	12·944
	5	12·463	12·394	12·601	12·533	12·360	12·635	12·944	13·527	13·219	13·493	13·081	13·562
	6	11·981	12·101	12·326	11·981	12·738	12·772	12·497	12·789	12·823	12·704	13·442	13·219
	7	13·700	13·287	13·906	13·081	12·738	11·776	12·360	13·013	12·755	12·601	13·013	13·287
	8												
	9	12·601	14·249	13·837	13·562	12·995	12·567	12·463	12·669	12·445	12·601	12·567	12·188
	10	12·840	14·167	14·008	12·497	12·533	12·772	12·567	12·533	12·635	12·567	12·703	12·944
	11	12·669	12·806	12·876	12·050	11·913	12·394	12·463	12·601	12·533	12·428	13·115	13·150
	12	11·465	12·342	13·321	13·425	13·510	13·562	13·596	13·321	12·669	12·533	12·256	12·326
	13	13·664	14·283	14·179	12·995	12·944	13·115	12·635	12·463	12·170	11·981	12·188	12·463
	14	11·879	12·533	13·150	13·184	13·459	13·219	12·840	12·601	12·876	12·703	13·184	12·806
	15												
	16	11·930	12·876	12·772	12·445	12·067	12·533	12·840	12·652	12·876	12·876	12·533	12·326
	17	12·428	12·463	12·394	11·845	11·707	12·463	12·601	12·533	12·927	12·635	13·013	13·219
	18	13·047	12·910	12·876	12·601	11·669	12·463	12·876	12·789	12·480	12·567	12·290	12·533
	19	13·150	13·184	13·493	12·463	12·153	12·533	12·463	12·222	12·411	12·394	12·635	12·669
	20	12·533	12·876	12·893	12·394	12·188	12·463	12·428	12·394	12·394	12·188	12·428	12·463
	21	12·806	13·013	12·533	12·360	11·810	11·913	11·845	11·810	12·463	12·015	12·394	12·533
	22												
	23	12·497	13·372	13·150	11·879	11·913	11·947	12·533	12·547	12·857	13·150	13·047	12·876
	24	11·363	11·776	11·363	10·814	11·707	11·810	12·153	12·222	12·326	12·652	12·944	13·425
	25	12·910	13·527	13 047	12·326	12·394	12·533	12·567	13·115	12·806	12·601	12·927	13·527
	26	11·913	12·876	12·533	12·256	12·360	11·947	12·015	12·463	12·703	12·703	12·840	13·013
	27	12·669	13·613	12·944	12·533	12·188	12·256	12·256	12·497	12·633	12·533	12·188	12·601
	28	12·119	13·098	12·686	12·205	12·635	13·355	13·562	13·372	13·562	13·768	13·940	12·944
	29	12·290	12·876	13·219	13·184	12·635	12·533	12.995	13·219	13·562	13·219	12·944	13·389
	30												
	31	13·150	13·493	13·150	12·806	12·533	12·533	12·772	13·115	13·287	13·219	13·115	13·527

LARGE DECLINATION MAGNETOMETER.

Date.	Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
JULY, 1846.	1	13′219	13′664	15′108	15′760	16′653	15′450	14′403	12′533	11′293	11′431	11′191	10′471
	2	13·906	14·076	14·626	14·901	14·059	13·562	11·879	12·188	11·569	11·293	11·293	12·084
	3	13·184	13·664	14·592	14·557	13 906	12 876	11·327	10·968	10·795	11·293	11·122	10·951
	4												
	5	14·266	13·681	15·657	15·691	14·970	13·562	11·845	11·225	10·299	10·402	10·607	10·471
	6	13·562	14·230	14·523	15·467	14·660	13·562	12·533	11 896	11·518	11·810	11·845	12·256
	7	14·249	14·437	15·931	16·378	16 136	14·403	12·738	11·845	11·157	11·019	11·845	12·533
	8	13·355	13·802	15·125	15·897	15·623	15·211	13·802	11·845	10·744	10·573	11·501	12·394
	9	13·425	13·768	14·008	15·211	15·348	15·467	12·601	11·157	10·350	10·471	10·968	11·707
	10	13·906	13·837	15·280	15·966	16·274	14·936	12·377	10·471	9·475	8·599	8·136	8·446
	11												
	12	13·219	13·355	14·249	14·523	14·798	14·854	13·304	12·550	9·990	11·327	11·019	10·814
	13	13·150	13·304	15·142	15·553	15·760	14·557	13·871	12·823	11·501	11·088	11·363	11·501
	14	13·802	13·717	13·871	14·557	14·867	14·626	12·876	11·070	10·767	10·265	10·402	10·882
	15	13·425	13·081	14·059	15·314	16·153	15·348	14·249	12·944	11·673	11·259	11·879	12·153
	16	13·115	13·562	14·557	14·660	14·936	13·923	13·150	11·639	11·157	10·402	10·471	11·431
	17	13·219	13·768	15·211	15·966	15·553	14·626	14 351	12·635	11·845	10·882	11·157	11·707
	18												
	19	13·219	13·768	15·228	15·623	15·416	14·249	12·567	10·985	10·607	10·814	11·845	12·463
	20	13·287	13·837	15·142	15·966	15·314	14·179	13·064	11·776	11·157	11·157	11·707	12·738
	21	13·253	13·906	15·074	15·245	14·557	13·459	11·157	9·543	9·200	9·853	11·053	12·601
	22	12·944	13·734	14·592	14·076	13·906	12·944	11·845	11·157	10·539	10·333	10·814	12·222
	23	12·876	13·664	14·901	15·108	14·832	13·664	11·327	9·579	9·251	9·990	11·088	11·673
	24	14·386	14·762	15·245	15·519	15·691	13·940	11·879	10·316	10·058	9·819	10·265	11·397
	25												
	26	13·867	14·145	15·211	15·657	15·450	13·906	12·480	10·744	10·590	11·088	11·501	11·913
	27	13·287	13 940	15·553	15·450	15·348	14·334	12·669	11·363	10·951	11·019	11·639	12·119
	28	13·287	13 219	14·249	14·660	14·334	13·321	11·845	10·024	9·132	8·789	9·029	10·145
	29	13·355	13·664	14·592	15·280	15·176	14·592	13·115	11·259	10·436	9·785	10·058	11·363
	30	13·871	13·219	14·970	15·176	13·664	11·845	11·259	10·162	10·333	9·785	9·647	10·573
	31	13·219	14·111	14·762	15·845	14·557	13·906	12·533	10·814	10·128	10·710	10·814	10·128

LARGE DECLINATION MAGNETOMETER.

Date.	Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
AUGUST, 1846.	1												
	2	13′630	13′459	14′867	15′983	16′240	15′280	13′219	11′191	9′887	9′887	9′887	11′088
	3	13·355	13·630	14·798	15·348	15·108	13·527	11·947	10·539	9·785	10·128	10·333	11·431
	4	12·876	13·253	14·249	15·553	15·828	13·647	12·533	10·247	9·441	9·716	10·882	11·845
	5	13·527	14·454	15·760	17·339	17·407	14·488	11·019	9·785	9·268	9·372	9·303	11·776
	6	13·425	12·910	14·694	16·618	17·407	13·596	12·533	11·845	11·293	11·397	11·293	12·703
	7	13·837	14·249	16·034	16·549	15·570	13·664	11·586	10·676	9·441	9·990	10·985	12·188
	8												
	9	11·845	13·287	13·991	14·745	13·287	12·188	10·641	9·441	8·772	9·647	10·471	11·501
	10	13·150	13·630	15·365	16·481	15·691	13·991	11·845	10·075	9·887	10·814	11·535	12·050
	11	12·738	13·184	13·940	14·779	15·004	14·196	11·501	9·475	9·509	9·543	9·921	10·333
	12	13·047	13·630	14·626	14·936	15·280	14·557	12·635	10·471	9·681	10·058	11·225	12·567
	13	12·428	12·876	14·076	14·213	13·562	11·845	11·036	10·162	10·128	9·750	10·265	11·088
	14	12·8 6	13·974	15·382	15·074	14·317	14·059	12·136	10·676	11·327	9·819	10·265	11·569
	15												
	16	12·669	13·115	13·837	14·694	13·837	11·845	10·814	10·230	9·716	10·265	10·814	11·845
	17	13·013	13·219	14·626	15·314	14·677	13·940	11·639	11·088	11·535	11·845	12·463	12·669
	18	12·738	12·669	13·219	13·871	13·906	12·533	10·848	9·543	9·234	9·921	10·968	11·913
	19	12·806	13·219	14·694	15·691	15·348	13·871	11·845	11·019	10·471	11·019	11·879	12·050
	20	12·463	12·910	14·111	14·936	15·108	13·562	10·933	9·441	8·360	7·655	9·475	11·639
	21	13·150	13·184	14·266	15·485	15·691	15·021	12·188	10·505	8·994	9·441	10·128	11·225
	22												
	23	13·219	13·906	14·936	15·245	14·523	12·360	10·007	7·843	7·826	8·617	9·234	10·333
	24	12·738	13·150	15·519	17·235	16·051	13·115	10·505	8·755	7·826	9·029	9·716	11·501
	25	13·527	12·961	14·540	15·966	15·038	12·755	10·299	8 651	7·208	8·960	10·471	10·814
	26	12·944	13·596	14·936	15·691	74·745	13·184	10·814	9·904	8·514	8·755	9·853	11·259
	27	12·256	13·287	14·970	16·429	16·172	14·592	12·463	9·819	8·755	8·960	9·372	10·539
	28	13·700	14·059	14·867	18·025	17·235	15·657	13·871	10·882	10·951	10·985	10·968	11·501
	29	14·179	14·351	15·280	16·136	14·970	13·013	10·778	7·998	7·655	7·930	8·480	10 814
	30												
	31	13·630	13·768	14·970	16·172	15·777	14·145	11·157	10·128	9·596	10·128	11·327	12·326

LARGE DECLINATION MAGNETOMETER.

	Date Göttingen Mean Time.	Noon	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
SEPTEMBER, 1846.	1	13′253	13′442	13′184	12′876	12′720	13′047	12′876	13′562	13′287	13′493	13′253	13′321
	2	13.906	13.700	12.978	12.738	12.533	12.635	12.978	13.150	13.184	13.389	13.459	13.219
	3	14.557	14.042	12.567	12.360	12.601	12.703	12.703	12.876	13.150	13.184	13.355	13.132
	4	14.660	14.936	13.734	12.944	13.184	12.876	12.738	12.772	13.184	13.184	13.184	12.533
	5												
	6	13.150	14.249	13.355	13.664	13.442	14.454	12.876	12.910	12.840	12.944	13.081	13.219
	7	14.523	14.523	13.562	13.493	12.669	12.910	12.927	12.806	12.635	12.876	12.669	12.876
	8	14.936	15.004	14.728	14.626	15.176	14.386	14.317	13.253	13.081	13.081	13.115	13.425
	9	15.004	15.004	13.940	14.249	13.906	13.837	13.562	12.978	12.703	11.981	12.119	12.533
	10	14.523	14.317	13.562	13.219	13.493	13.562	13.459	13.013	13.184	13.389	13.253	12.840
	11	13.768	14.592	13.768	12.601	13.219	13.906	13.115	12.944	13.219	12.601	11.776	12.669
	12												
	13	13.906	13.837	13.184	12.944	12.837	12 806	12.738	12 463	12.205	13.115	12.256	12.738
	14	13.940	14.728	13.527	13.906	13.613	13.562	13.321	13.321	13.115	13.115	12.703	12.944
	15	14.523	14.592	13.287	13.355	13.562	13.013	12.772	13.013	12.927	12.910	13.081	12.806
	16	13.389	13.287	12.601	12.961	12.533	12.497	12.119	12.533	12.601	12.533	12.533	12.806
	17	13.888	13.476	12.910	12.840	12.533	12.394	12.463	13.003	13.355	13.115	13.013	13.150
	18	14.111	13.596	12.084	12.015	12.050	12.463	12.533	12.601	12.910	13.115	12.876	12 567
	19												
	20	13.681	12.669	12.153	12.601	11.896	12.533	12.360	12.703	12.876	12.876	12.876	13.287
	21	12.806	11.930	11.363	11.639	11.692	11.569	11.639	12.360	12.806	13.596	13.906	13.355
	22	14.867	15.074	14.918	15.687	16.034	15.623	14.891	14.249	14.523	15.142	13.425	13.184
	23	13.219	13.493	12.669	12.876	12.910	12.635	12.772	12.669	13.081	13.734	13.906	13.906
	24	13.802	13.287	12.669	13.081	12.876	12.669	12.876	13.700	13.287	13.493	13.906	13.906
	25	13.355	12.497	12.188	12.050	12.601	12.567	12.893	13.389	13.219	13.476	13.459	12.823
	26												
	27	13.287	13.219	12.533	12.669	13.081	13.184	13.115	13.236	13.098	13.527	13.184	13.425
	28	13.562	12.995	12.703	12.669	13.081	13.287	13.389	12.533	13.527	13.630	13.630	13.700
	29	13.837	13.047	12.789	12.755	12.910	12.944	12.876	13.184	13.596	13.837	13.527	13.425
	30	13.150	12.703	12.533	12.618	12.514	12.618	13.184	13.270	13.219	13.425	14.145	13.562
	31												

LARGE DECLINATION MAGNETOMETER.

	Date Göttingen Mean Time.	Noon	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
OCTOBER, 1846.	1	13′871	13′253	12′618	13′768	12′978	13′802	13′219	13′837	13′201	13′253	13′182	13′219
	2	13.974	12.635	12.463	13.287	12.944	13.047	13.389	12.789	13.906	12.978	13.802	13.253
	3												
	4	14.660	13.802	13.219	13.150	13.355	13.389	13.236	12.893	13.510	13.493	13.527	13.527
	5	14.592	13.287	12.533	13.287	13.219	12.703	12.840	12.876	12.840	12.876	12.944	12.857
	6	14.145	13.287	12.703	12.998	13.270	13.664	13.287	13.253	13.389	13.047	13.219	13.150
	7	14.042	12.703	12.533	13.459	13.544	13.459	13.562	13.647	13.562	13.389	13.527	13.425
	8	14.008	14.076	14.660	15.021	14.745	14.901	13.596	13.940	13.871	13.871	13.768	13.768
	9	13.802	13.630	12.635	13.132	13.321	13.442	13.734	13.493	13.768	13.270	13.115	13.150
	10												
	11	11.762	12.806	12.876	14.213	14.042	13.287	13.219	13.150	13.167	13.184	13.252	13.081
	12	14.249	14.454	14.249	13.768	13.219	12.876	13.253	13.476	13.338	13.184	12.978	12.840
	13	14.213	13.132	12.910	12.944	13.287	13.442	13.201	12.428	13.406	13.150	12.755	13.064
	14	14.454	13.389	13.219	13.115	12.876	13.115	12.961	12.893	13.150	12.840	12.978	13.081
	15	12.463	12.635	12.533	12.738	12.840	13.150	13.013	12.876	13.081	12.806	12.944	12.876
	16	13.287	12.669	12.840	13.253	13.219	13.389	13.389	13.476	13.459	13.287	13.389	12.978
	17												
	18	13.906	12.601	12.533	13.115	13.013	12.944	13.596	13.219	13.802	13.287	13.219	13.013
	19	13.493	12.944	12.876	12.840	13.132	13.596	13.906	13.768	13.562	13.287	12.876	13.236
	20	13.630	12.290	12.015	12.290	12.669	13.544	13.236	13.579	13.219	13.389	13.527	13.579
	21	13.630	12.876	12.806	12.876	12.840	13.030	13.425	13.613	13.389	13.321	13.664	13.562
	22	13.837	13.047	13.664	13.184	13.906	13.562	13.406	13.425	14.059	13.700	13.596	14.008
	21	14.111	13.406	13.219	13.219	13.219	13.287	13.304	13.562	13.527	13.355	13.527	13.150
	24												
	25	14.523	13.459	13.219	13.132	13.064	13.150	12.893	13.219	13.321	13.459	13.802	13.802
	26	12.910	12.256	12.533	12.876	12.876	13.167	13.287	13.338	13.493	13.372	13.321	13.201
	27	13.974	12.772	12.876	12.876	12 876	12.876	13.167	12.893	13.219	12.806	13.219	13.287
	28	12.876	12.686	12.567	13.064	13.150	13.047	13.098	13.081	13.047	13.219	12.840	13.081
	29	14.145	13.768	13.047	13.219	13.150	13.184	13.219	13.219	13.389	13.562	13.768	13.596
	30	13.287	13.321	13.802	13.184	13.287	13.219	13.219	13.219	13.132	12.944	12.978	12.703
	31												

LARGE DECLINATION MAGNETOMETER.

Date. Göttingen Mean Time.		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
SEPTEMBER, 1846.	1	13′081	13′734	14′386	15′245	14′901	13′372	12′326	10′951	10′128	11′053	12′256	13′287
	2	13.700	13.734	14.936	15.623	15.108	12.893	11.293	10.436	10.299	11.639	12.669	13.630
	3	13.493	13 871	15.108	15.553	14.815	13.219	11.741	10.505	9.955	11.157	12.533	14.042
	4	13.219	13.700	14.936	15.623	15.004	13.150	10.436	9.372	8.823	10.333	12.463	13.940
	5												
	6	13.425	13.906	15.966	16.653	15.966	13.837	11.191	9.921	9.819	10.402	11.776	13.321
	7	12.944	13.613	16.412	17.509	17.373	15.314	12.326	11.465	10.819	11.122	11.810	14.179
	8	13.700	14.557	16.515	17.339	16.926	15.382	12.497	10.573	10.024	9.716	11.569	13.768
	9	12.910	13.768	15.931	17.339	16.892	14.762	11.776	10.196	8.651	9.303	10.951	13.115
	10	11.810	13.425	14.798	16.584	16.653	14.626	11.879	10.162	9.268	9.613	10.641	12.119
	11	12.703	13.219	14.111	16.172	16.464	14.059	12.326	10.899	10.471	11.225	12.772	12.876
	12												
	13	13.219	13.768	14.592	15.897	15.348	13.527	11.293	10.196	10.831	11.122	12.326	13 493
	14	12.944	13.802	14.970	15.211	13.906	13.150	12.188	11.535	11.088	11.363	12.738	13.630
	15	13.219	13.647	14.798	15.845	15.667	14.076	12.533	10.814	10.230	9.785	10.848	12.601
	16	13.013	12.876	13.854	15.348	15.897	15.280	14.249	12.050	11.225	11.501	12.497	13.854
	17	13.150	63.978	14.728	15.416	14.454	12.876	10.162	9.716	10.471	12.188	12.910	10.974
	18	13.081	13.493	14.936	15.485	14.592	12.806	11.157	9.853	9.372	10.539	12.153	13.219
	19												
	20	13.321	13.389	14.592	15.828	15.262	13.219	12.290	10.471	9.441	10.778	12.050	12.738
	21	13.974	14.042	15.623	17.339	16.378	14.798	11.981	8.685	9.372	10.607	12.256	13.493
	22	11.879	13.047	14.523	14.970	14.279	13.355	11.363	10.436	10.092	10.436	11.327	12.601
	23	14.042	13.630	15.091	17.064	16.068	13.425	11.157	10.848	11.019	11.157	12.256	13.287
	24	13.906	13.283	15.553	16.343	14.936	12.567	10.848	9.681	9.166	10.196	12.188	13.219
	25	13.081	13.425	14.762	15.708	15.280	13.906	12.876	11.569	10.710	11.053	11.293	12.188
	26												
	27	13.837	13.630	15.626	15.450	16.378	14.386	12.188	11.225	11.122	11.122	12.463	13.493
	28	13.527	13.700	14.557	15.297	15.760	14.936	13.442	12.463	11.036	11.363	12.772	13.562
	29	13.459	13.406	14.042	14.179	13.906	13.184	12.188	11.157	9.785	11.707	12.188	12.944
	30	13.630	13.854	14.266	15.657	15.280	15.004	13.252	11.639	10.778	10.814	12.463	13.562
	31												

LARGE DECLINATION MAGNETOMETER.

Date. Göttingen Mean Time.		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
OCTOBER, 1846.	1	12′772	12′857	14′266	15′348	15′772	14′626	12′840	11′344	11′157	11′569	12′188	13′219
	2	13.253	13.493	13.459	15.348	15.485	14.592	13.372	12.222	11.845	11.724	12.480	13.562
	3												
	4	13.425	13.355	14.145	15.142	15.074	14.076	12.876	11.501	11.053	11.707	13.013	14.008
	5	12.806	12.978	13.751	15.604	16.412	14.936	13.081	11.157	10.471	11.225	12.601	13.940
	6	12.497	13.115	13.630	15.211	15.587	14.970	13.579	12.256	12.188	12.138	13.150	13.700
	7	12.978	12.840	13.802	14.523	14.179	13.527	13.906	12.876	11.913	13.871	13.906	13.562
	8	13.647	13.219	13.871	14.677	15.211	14.660	14.249	13.768	12.840	12.876	13.287	13.700
	9	12.669	12.188	12.394	13.630	14.936	13.906	13.081	12.533	11.845	12.463	12.256	12.876
	10												
	11	13.047	13.510	14.162	15.262	15.382	14.249	12.876	12.256	11.501	12.601	14.042	14.076
	12	12.772	12.840	13.338	15.280	15.777	15.125	14.249	13.115	11.947	11.964	12.876	13.871
	13	12.876	12.738	13.681	14.540	15.280	14.936	14.694	13.047	11.845	12.394	13.906	14.728
	14	12.876	12.669	13.321	14.093	14.076	14.042	13.562	12.601	11.191	11.501	12.326	12.497
	15	12.669	12.533	12.533	13.115	13.562	12.944	12.840	11.913	11.845	12.119	13.253	13.562
	16	13.030	12.876	12.961	14.592	15.382	14.694	13.321	12.567	12.290	13.287	13.974	13.734
	17												
	18	12.703	12.978	13.562	14.368	13.700	12.256	11.225	10.505	11.157	11.707	12.567	13.115
	19	12.738	13.406	13.013	13.974	15.074	14.867	14.076	12.497	11.981	12.533	13.321	13.768
	20	12.840	13.115	13.355	13.664	13.871	13.562	12.170	11.501	12.188	12.806	13.459	13.700
	21	13.510	13.459	13.888	15.536	14.488	13.906	11.947	11.501	11.913	12.497	13.150	14.454
	22	12.995	13.236	13.734	14.728	14.283	13.596	11.913	11.157	11.810	12.669	13.459	13.974
	23	13.287	12.669	13.717	14.643	15.004	14.213	12.463	11.228	11.465	11.947	12.669	13.630
	24												
	25	13.219	13.717	13.681	14.936	14.574	13.219	12.119	11.225	11.053	11.947	13.081	13.355
	26	12.944	12.789	13.201	14.403	14.230	13.596	13.167	12.840	12.876	13.287	13.802	13.906
	27	13.253	13.338	13.664	14.059	13.338	12.188	11.225	10.814	11.157	11.639	12.669	13.081
	28	13.219	13.150	13.167	14.454	14.540	13.871	12.533	12.188	12.188	13.425	14.454	14.111
	29	13.184	13.150	13.596	13.957	13.991	13.287	12.533	11.673	12.360	13.219	14.179	13.974
	30	12.738	12.857	13.064	14.162	14.798	13.832	12.188	11.242	10.710	11.501	12.394	13.459
	31												

LARGE DECLINATION MAGNETOMETER.

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
NOVEMBER, 1846.	1	14'936	14'042	14'042	13'700	13'768	13'768	13'562	13'562	13'768	13'047	13'476	12'978
	2	16·653	15·811	16·566	15·623	13·442	13·717	13·613	13·613	13·442	15 142	14·523	15·021
	3	13·425	12·876	13·132	13·700	12·876	12·703	12·840	12·635	12·533	12·601	12·304	12·205
	4	13·630	14 076	12·463	12·652	12·703	12·876	12·772	12·703	12·772	12·533	12·686	12·463
	5	13·355	12·669	12·553	12 533	12·256	12·806	12·876	13·047	13·115	12 806	12·738	12·601
	6	12·978	12·188	12·360	12·163	12·533	12·533	12·533	12·686	12·806	12·876	12·978	12·703
	7												
	8	13·459	12·978	12·944	12·944	12·789	12·806	12·823	12·840	12·188	12·876	12·669	12·669
	9	13·527	12·840	13·013	13·304	13·047	12·703	12·944	12·876	13·047	12·772	12·601	12·326
	10	13·630	12·910	13·047	13·081	12·876	12·789	12·635	12·806	12·567	12·738	12·463	12·567
	11	13·081	12·840	12·533	12·876	12·978	13·253	13·219	13·321	13·236	13·253	12·876	13·013
	12	12·601	12·635	12·601	12·720	12·497	12·394	12·840	13·081	12 944	12·738	12·669	12·533
	13	13·562	13·064	12·533	12·686	12·944	12·876	12·910	13·389	13·425	13·115	13·219	13·287
	14												
	15	14·111	13·442	12·653	12·601	12·876	12·910	12·927	13·013	12·944	12·840	12·840	12 463
	16	12·738	12·533	12·533	12·944	13·150	12·876	12·806	12·720	12·533	12 840	12·463	12·188
	17	13·837	13·493	13·562	13·734	13·854	13·734	14·592	17·612	17·782	16·172	15·828	14·623
	18	13·563	13·854	14·025	14·008	14·454	14·249	13·991	14·351	13·906	13·910	14·420	14·557
	19	13·700	13·734	13·819	13·906	13·717	13.493	14 128	13·871	13·957	13·906	13·596	13·459
	20	15·004	14·249	13·613	13·510	13·819	13·974	14·249	14·386	14·592	14·249	14·266	13·115
	21												
	22	14·249	13·630	13·700	13·630	13.425	13·562	13·562	13·184	13·700	13·613	13·802	13·493
	23	13·837	13·562	13·355	13·562	13·562	13·579	13·630	13·613	13·562	13·527	13·219	13·115
	24	14·179	13·871	13·664	13·681	13·544	13·837	13·717	13·596	13·785	13·837	13·630	13·459
	25	14·179	13·734	13·562	13·751	13·630	13·630	13·734	13·837	13·991	13·734	13·768	13·253
	26	13·287	12·876	13·219	13·321	14·970	14·936	15·623	15·159	14·162	13·974	13·013	13·527
	27	14·630	14·592	14·762	14·728	14·111	13·906	13·837	13·837	13·906	13·906	13·562	13·425
	28	13·871	14·008	14·220	14·213	14·042	14·523	14·317	13·802	14·540	13·630	13·510	12·978
	29												
	30	14·867	14·042	13·837	14·249	13·579	13·562	13·579	13·837	13·857	13·630	13 355	12·978
	31												

LARGE DECLINATION MAGNETOMETER.

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
DECEMBER, 1846.	1	13'802	12'978	13'425	13'647	13'425	13'253	13'184	12'927	13'253	13'355	13'253	13'047
	2	13·321	11·389	13·751	13·647	13·510	13·425	13·700	13·664	13·871	13·527	13·493	13·184
	3	13·389	13·219	13·647	13·544	13·236	13·219	13·219	13·167	12·893	13 287	13·081	13·219
	4	14·111	13·664	13 630	13·734	13·906	14·042	13·957	14·249	14·523	14·076	13·562	13·184
	5												
	6	13·717	13 906	13·560	13·664	13·425	13·304	13·493	13·355	13·219	13·155	13·425	13·321
	7	13·906	14·179	13·906	13·768	13·562	13·527	13·596	13·596	13·717	13·338	13·425	13·287
	8	14·626	14·076	13·700	13·596	13·493	13·425	13·596	13·837	13·734	13·562	13·355	13·150
	9	13·906	13·287	13·219	13·115	13·081	13·253	13·219	13·219	13·064	3·287	12·944	12·772
	10	14·111	14·351	14·111	13·493	13·647	13·871	13·647	13·355	13·681	13·700	13·287	13·321
	11	14·660	14·162	13·700	14·145	13·681	13·389	13·562	13·562	13·562	13 150	13·219	12·944
	12												
	13	13·664	13·081	13·253	13·459	13·236	13·442	13·562	13·389	13·717	13·596	13·287	13·389
	14	14·660	14·008	13·837	13·734	13·700	13·734	13·562	13·717	13·768	13·871	13·734	13·150
	15	14·249	13·837	13·768	13·837	13·768	13·734	13·906	13·906	13 906	13·906	13·871	13·906
	16	13·249	13·991	13·717	13·837	13·630	13·837	13·700	13·871	13·940	13·940	13·630	13·596
	17	13·837	13·476	13·562	13·562	13·562	13·717	13·630	13·734	13·562	13 837	13·906	13·700
	18	13·389	13·304	13·562	13·493	13·510	13 552	13·476	13·871	13·906	13·768	13·802	13·940
	19												
	20	13·906	13·837	13·493	13·664	13·647	13·562	13·647	13·700	13·562	13·304	13·459	13·081
	21	14·592	13·974	13·940	14·042	13·854	13·871	13·768	13·785	13·734	13·700	13·493	13·562
	22	14·936	14·179	14·042	13·906	13·717	13·734	13·734	13·854	13·647	13·700	13·700	13 837
	23	15·280	14·523	14·213	13·957	14·660	15·021	14·557	14·076	15·004	14·179	12·910	13·700
	24	14·970	14.867	14·626	14·592	14·076	13·974	14·042	14·162	14·249	13·906	13·906	13·425
	25	14·936	14·592	14·592	14·867	15·280	14·592	14·249	13·906	13·819	13·700	14·042	13·768
	26												
	27	14·317	14·505	14·650	14·592	14·454	14·592	14·386	14·111	14·145	14·317	13·700	13·493
	28	14·386	14·111	14·213	14·978	14·454	14·420	13·940	13·321	13·819	13·664	13·802	13·493
	29	13·906	14·008	13·974	13·906	14·042	14·213	13·940	14·059	14·042	13·940	13·802	13·493
	30	13·906	13·906	14·179	14·179	14·179	13·906	14·249	14·162	14·076	13·734	13·389	13·132
	31	14·042	14·249	13·906	13·974	14·111	13·940	13·957	14·213	13·871	13·681	13·459	13·321

LARGE DECLINATION MAGNETOMETER.

Date.	Göttingen Mean Time.	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
NOVEMBER, 1846.	1	13′013	12′978	12′961	13′940	14′832	14′557	13′527	11′501	11′776	12′463	13′974	14′660
	2	14·523	14·728	14·815	13·201	13·562	12·876	11·879	10·778	11·088	12·050	13·355	13·700
	3	12·394	12·669	12·601	13·527	14·008	12·978	11·845	10·471	11·088	12·703	13·527	13·906
	4	12·601	12·876	12·514	13·047	14·437	13·664	12·618	11·431	11·501	12·394	13·081	13·527
	5	12·463	12·497	12·256	12·893	13·681	13·219	12·533	11·088	10·128	11·019	12·188	12·910
	6	12·463	12·153	11·947	12·738	13·910	12·876	11·501	10·402	10·471	11·845	13·115	13·700
	7												
	8	12·497	12·463	12·032	12·789	13·869	13·974	13·425	12·840	13·150	13·664	13·700	13·630
	9	12·290	12·290	12·360	13·253	14·111	13·974	13·321	12·188	12·188	13·150	13·837	13·837
	10	12·205	11·947	12·084	12·533	13·459	13·906	12·876	11·535	11·776	12·119	12·533	13·150
	11	12·567	12·463	12·153	12·441	13·184	13·459	13·219	12·119	11·741	11·845	12·188	12·463
	12	12·256	12·101	11·518	12·394	12·445	12·567	12·188	11·310	11·810	12·119	12·669	13·219
	13	12·876	12·533	12·084	12·136	12·635	14·213	14·249	14·249	14·694	14·660	14·660	15·211
	14												
	15	12·601	12·550	12·584	12·411	12·910	13·562	13·425	13·013	12·995	12·738	13·013	12·772
	16	12·084	12·360	11·845	12·533	14·042	14·626	14·051	12·533	12·188	13·013	13·150	13·321
	17	14·042	13·562	12·974	13·115	13·150	14·936	15·108	14·557	14·249	15·004	14·488	14·936
	18	14·213	13·579	13·527	13·734	14·728	14·779	14·936	13·579	13·389	13·664	14·249	13·974
	19	13·047	12·703	12·480	12·567	13·338	13·906	13·562	12·978	12·876	13·837	14·592	15·280
	20	13·974	—	13·150	12·669	12·823	12·497	12·188	12·119	13·150	13·837	14·620	14·660
	21												
	22	13·013	12·944	12·892	12·944	13·321	13·219	13·047	12·876	13·219	13·768	13·906	13·837
	23	13·115	12·806	12·652	12·119	12·995	12·497	12·188	12·256	13·047	12·840	13·184	13·425
	24	13·389	13·219	12·876	12·927	13·219	13·338	13·219	12·823	12·944	13·355	13·287	13·906
	25	13·321	13·132	12·256	12·789	13·150	12·944	12·876	12·533	12·290	12·188	12·738	12·876
	26	13·389	13·425	13·081	12·514	12·533	13·321	13·115	12·876	13·047	13·974	14·162	14·523
	27	12·533	12·635	12·480	12·601	13·150	13·219	13·081	12·307	12·876	12·806	14·249	14·694
	28	12·995	12·669	12·686	13·115	13·906	14·420	14·249	14·249	14·249	14·970	15·485	15·074
	29												
	30	12·601	11·964	11·947	12·084	12·702	13·664	14·008	13·923	13·837	13·974	14·317	14·042
	31												

LARGE DECLINATION MAGNETOMETER.

Date.	Göttingen Mean Time.	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
DECEMBER, 1846.	1	12′910	12′451	12′290	12′514	12′876	14′249	14′317	13′717	12′876	12′876	13′527	14′111
	2	13·013	13·081	12·840	13·132	13·957	14·592	14·386	13·888	12·876	13·355	13·630	13·321
	3	12·772	12·686	12·618	12·119	13·184	13·493	13·562	13·406	14·111	14·660	15·314	14·867
	4	12·876	12·480	11·964	11·380	12·480	13·751	14·745	14·386	14·867	15·074	14·386	13·389
	5												
	6	13·184	12·652	12·567	12·944	13·906	14·574	14·626	13·906	13·150	13·406	13·837	13·700
	7	13·219	13·184	13·047	13·425	13·991	14·317	14·557	13·871	13·219	13·321	14·042	14·557
	8	12·669	12·480	12·857	12·360	13·219	14·145	13·425	12·428	12·394	12·876	12·876	13·596
	9	13·219	13·013	12·153	12·188	13·270	13·837	13·923	14·111	13·734	13·974	13·321	13·219
	10	13·321	13·219	12·893	12·273	13·338	14·249	14·867	14·936	14·702	14·867	14·660	14·179
	11	12·806	12·703	11·552	11·431	12·239	13·940	14·249	13·579	13·047	12·876	13·562	13·219
	12												
	13	13·013	13·081	12·635	12·360	13·355	14·936	15·570	15·108	14·936	14·249	13·768	14·249
	14	13·527	13·081	12·961	12·290	13·355	14·386	14·728	14·918	15·553	15·074	13·837	13·630
	15	13·459	13·338	12·789	13·183	14·179	14·918	14·936	14·626	14·249	14·042	13·871	14·111
	16	13·562	13·236	13·253	12·601	13·425	14·179	14·249	13·562	13·355	13·219	13·287	14·008
	17	13·321	12·927	12·497	12·755	13·613	14·145	13·664	12·876	12·703	12·876	13·321	13·700
	18	13·527	13·406	13·081	12·738	13·425	14·283	14·249	13·837	13·888	13·906	13·906	13·906
	19												
	20	12·876	12·652	12·360	12·840	13·406	13·768	13·236	12·876	13·406	14·111	14·677	15·142
	21	13·389	12·876	13·372	13·253	13·664	13·734	13·906	13·219	13·270	13·562	14·179	14·660
	22	13·527	12·927	12·772	13·115	13·664	14·368	14·557	14·025	14·249	15·074	15·485	15·485
	23	13·871	11·776	12·738	13·734	14·179	14·936	13·906	13·372	13·562	14·351	14·745	14·936
	24	13·047	13·150	12·978	13·150	13·906	14·592	13·664	13·389	13·562	13·837	13·906	14·557
	25	13·493	13·253	13·681	13·201	13·819	14·420	13·906	12·669	12·876	13·219	14·111	14·592
	26												
	27	13·321	13·047	12·910	12·789	13·476	14·249	13·974	13·906	13·562	13·150	13·184	13·906
	28	13·115	12·669	12·910	12·944	14·454	15·228	15·966	15·280	14·179	13·906	14·179	14·042
	29	13·115	12·132	12·635	12·618	13·647	14·317	15·038	14·936	14·523	14·523	14·386	14·042
	30	13·253	13·287	13·047	12·738	13·355	14·249	15·004	14·317	13·630	13·857	14·454	13·974
	31	13·596	13·219	13·047	13·184	13·871	14·592	14·488	13·562	13·562	13·630	13·389	13·493

Date. Göttingen Mean Time.		SMALL DECLINATION MAGNETOMETER.											
		Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
JANUARY, 1846.	1	-4·40	-4·58	-4·94	-5·04	-5·46	-5·46	-5·46	-5·46	-5·46	-5·88	-5·88	-5.77
	2	-4·58	-5·31	-5·46	-5·98	-5·98	-5·98	-6·24	-6·24	-6·24	-6·24	-6·40	-6·54
	3												
	4	-5·98	-5·46	-5·46	-5·88	-5·62	-5·98	-5·98	-5·98	-5·72	-6·03	-5·93	-6·03
	5	-5·80	-5·98	-5·98	-5·98	-5·93	-5·88	-5·88	-5·88	-5·88	-5·88	-6·08	-6·03
	6	-6·55	-6·08	-5·98	-6·03	-5·98	-5·56	-5·88	-5·98	-6·03	-6·17	-6·45	-6·50
	7	-7·25	-7·54	-6·71	-6·55	-6·50	-6·50	-5·98	-5·88	-6·24	-6·35	-6·92	-7·10
	8	-7·02	-6·50	-7·12	-7·02	-6·97	-6·76	-6·87	-6·60	-6·50	-6·55	-6·87	-7·28
	9	-7·54	-7·54	-7·23	-7·02	-7·02	-7·02	-7·12	-7·07	-7·02	-7·28	-7·54	-7·54
	10												
	11	-7·85	-8·03	-8·03	-7·54	-7·54	-7·54	-7·54	-7·54	-7·54	-7·54	-7·80	-8·01
	12	-7·02	-7·02	-5·98	-6·50	-6·63	-6·76	-6·66	-6·71	-6·50	-7·71	-6·97	-7·02
	13	-6·50	-7·02	-7·02	-6·89	-6·76	-6·92	-7·02	-6·92	-6·92	-6 81	-6·76	-7·54
	14	-5·51	-5·98	-6·50	-6·76	-6·76	-7·05	-6·90	-6·71	-6·92	-6·76	-7·02	-6·92
	15	-5·25	-5·98	-6·50	-6·50	-6·76	-7·02	-7·10	-7·10	-7·12	-7·12	-7·02	-7·07
	16	-6·08	-6·50	-6·55	-6·50	-6·55	-7·02	-7·02	-6·81	-6·76	-6·97	-6·50	-7·02
	17												
	18	-5·46	-6·50	-7·02	-7·05	-7·54	-7·59	-7·70	-7·54	-7·54	-7·49	-7·64	-8·06
	19	-6·97	-7·54	-8·06	-8·06	-8·06	-8·06	-7·80	-7·54	-7·64	-7·54	-7·96	-8·06
	20	-7·02	-7·82	-7·80	-7·56	-7·75	-7·96	-7·96	-7·91	-7·96	-7·85	-8·01	-8·06
	21	-5·98	-6·50	-7·54	-7·54	-7·54	-7·54	-7·54	-7·44	-7·10	-7·12	-7·44	-7·44
	22	-5·98	-7·54	-8·06	-7·54	-7·54	-7·64	-7·54	-7·54	-7·54	-7·54	-7·75	-8·01
	23	-7·49	-7·54	-8·06	-8·06	-8·09	-8·11	-8·22	-8·16	-8·27	-8·58	-8·58	-8·11
	24												
	25	-4·94	-5·46	-6·50	-6·50	-6·24	-6·40	-6·24	-6·35	-6·14	-6·50	-7·02	-6·92
	26	-5·94	-5·46	-5·98	-5·98	-5·98	-6·03	-6·03	-6·03	-6·03	-5·98	-5·98	-6·19
	27	-5·20	-5·77	-6·50	-5·50	-6·50	-6·40	-6·40	-6·40	-6·40	-6·92	-7 02	-7·02
	28	-6·45	-6·50	-7·02	-5·98	-6·24	-6·24	-6·50	-6·55	-6·60	-6·81	-6·92	-7·02
	29	-5·36	-6·24	-6·71	-6·55	-6·53	-6·69	-6·90	-7·02	-6·92	-7·02	-7·12	-7·44
	30	-6·50	-7·15	-8·06	-7·54	-7·54	-7·59	-7·54	-7·28	-7·12	-7·44	-7·12	-7·07
	31												

Date. Göttingen Mean Time.		SMALL DECLINATION MAGNETOMETER.											
		Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
FEBRUARY, 1846.	1	-3·64	-4·94	-5·98	-5·46	-5·46	-5·88	-5·77	-5·88	-5·88	-5·88	-5·98	-5·98
	2	-4·73	-4·42	-4·94	-4·96	-5·46	-5·46	-5·67	-5·46	-5·98	-5·98	-6·08	-6·08
	3	-5·56	-5·72	-5·98	-5·46	-4·94	-5·77	-5·83	-5·83	-5·88	-5·56	-5·46	-5·51
	4	-4·42	-4·94	-5·20	-4·99	-4·94	-5·36	-5·46	-5·36	-5·25	-5·46	-5·49	-5·72
	5	-5·04	-5 20	-5·46	-5·46	-5·46	-5·51	-5·56	-5·72	-5·56	-5·90	-5·90	-5·98
	6	-5·51	-5·98	-5·98	-5·98	-5·98	-5·98	-5·98	-6·24	-6·40	-6·50	-6·48	-6·53
	7												
	8	-5·98	-7·02	-7·02	-7·02	-7·02	-7·02	-6·97	-6·92	-6·87	-6·76	-6·92	-7·23
	9	-5·04	-6·50	-5·46	-3·38	-5·98	-5·88	-5·56	-5·51	-5·46	-5·41	-5·39	-5·46
	10	-4·11	-5·85	-6·50	-5·98	-5·98	-5·56	-5·36	-5·20	-5·46	-5·49	-5·85	-6·01
	11	-3·80	*+10·40	+10·40	+10·66	+10·66	10·61	10·66	10·66	10·66	10·66	+10·66	+10·45
	12	12·74	11·18	10·92	11·18	11·18	11·08	11·18	11·18	11·18	11·18	11·18	11·18
	13	11·96	11·96	11·18	11·41	11·33	11·23	11·18	11·23	12 28	11·28	11·44	11·23
	14												
	15	13·78	12·74	12·22	12·22	12·74	12·22	11·70	11·49	11·60	11·33	11·53	11·13
	16	12·32	11·70	11·70	11·70	11·70	11·60	11·70	11·18	11·18	11·33	11·70	11·18
	17	12·43	11·70	11·70	12·04	11·70	11·70	11·70	11·60	11·80	10·92	11·54	11·70
	18	12·74	12·19	11·70	12·22	11·70	11·80	11·70	12·22	12·32	12·22	11·70	12·22
	19	12·74	11·75	11·67	11·70	11·70	11·80	11·80	11·80	11·80	11·75	11·70	11·70
	20	13·78	12·32	11·82	12·22	12·22	12·12	12·12	12·12	12·17	12·17	11·90	12·22
	21												
	22	13·00	11·91	11·70	11·70	11·70	11·67	11·54	11·70	11·70	11·70	11·44	11·44
	23	13·26	11·70	11·18	11·70	11·70	11·70	11·70	11·70	11·70	11·70	11·70	11·70
	24	13·66	12·24	11·70	12·22	12·22	12·22	12·22	12·22	12·22	12·22	12·22	12·22
	25	13·36	12·74	12·22	12·22	12·22	12·22	12·74	12·74	13·26	13·26	14·23	14·04
	26	14·30	13·26	12·51	12·74	13·26	12·74	13·26	13·36	13·36	12·79	12·25	12·22
	27	14·30	13·78	13·21	12·76	12·74	12·69	12·74	12·69	12·48	12·74	—	—
	28	—	—	—	—	—	—	—	—	—	—	12·64	12·74
	29												
	30												
	31												

* Scale newly adjusted.

SMALL DECLINATION MAGNETOMETER.

Date. Göttingen Mean Time.		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
JANUARY, 1846.	1	-5·98	-6·21	-5·98	-6·50	6·50	·5·59	-5·46	-5·98	-5·98	-5·56	-5·15	-4·76
	2	-6·76	-6·81	-6·97	-7·23	-6·45	-5·98	-5·98	-5·98	-4·94	-4·94	-5·41	-5·36
	3												
	4	-6·40	-6·45	-6·29	-6·50	-6·19	-5·98	-5·51	-5·53	-5·72	-5·98	-6·01	-5·98
	5	-6·58	-6·97	-7·02	-7·33	-7·12	-6·50	-6·50	-6·11	-5·46	-5·36	-5·91	-6·50
	6	-6·55	-6·71	-7·02	-7·49	-6·97	-6·50	-5·98	-5·72	-5·98	-6·19	-6·06	-6·50
	7	-7·15	-7·54	-7·64	-7·54	-7·02	-5·83	-5·98	-5·72	-6·00	-6·40	-6·24	-6.24
	8	-7·54	-7·54	-7·64	-8·11	-7·54	-7·54	-7·28	-7·02	-7·02	-7·12	-7·10	-6·92
	9	-8·06	-8·06	-8·06	-7·85	-7·23	-6·37	-7·02	-8·06	-8·06	-8·01	-7·44	-7·64
	10												
	11	-8·06	-8·06	-8·16	-8·58	-8·06	-7·59	-7·49	-7·54	-8·14	-7·49	-6·60	-6·92
	12	-7·07	-7·54	-7·54	-8·06	-7·54	-6·45	-5·62	-5·98	-5·46	-4·94	-4·73	-5·56
	13	-7·85	-7·51	-9·10	-7.80	-8·01	-7·28	-6·14	-6·71	-6·66	-6·19	-5·98	-5·98
	14	-7·02	-7·54	-7·54	-8·06	-7·54	-6 50	-5·98	-5·56	-4·00	-4·00	-3·80	-4·84
	15	-7·33	-7·54	-8·06	-8·58	-8·06	-7·54	-7·18	-7·00	-6·58	-5·36	-6·08	-6·45
	16	-7·02	-7·02	-7·44	-7·54	-7·02	-7·12	-7·75	-7·07	-5·59	-5·56	-5·51	-4·73
	17												
	18	-8·11	-8·11	-8·53	-8·06	-8·06	-7·70	-8·68	-10·04	-9·86	-8·79	-7·54	-7·28
	19	-8·16	-8·06	-8·58	-8·82	-7·28	-7·54	-8·48	-8·63	-9·20	-9·10	-7·96	-7·02
	20	-8·01	-8·06	-8·06	-7·75	-6·50	-6·50	-7·12	-8·53	-8·63	-7·23	-6·76	-6·50
	21	-7·64	-7·80	-8·06	-8·06	-6·50	-6·08	-8·89	-9·78	-9·72	-8·53	-7·33	-5·98
	22	-8·06	-8·06	-8·11	-8·06	-7·02	-6·14	-7·28	-8·48	-8·43	-7·54	-6·92	-7·02
	23	-7·91	-8·32	-9·10	-9·10	-6·24	-4·94	-7·54	-9·72	-10·24	-7·75	-6·76	-6·50
	24												
	25	-6·97	-7·02	-7·02	-7·02	-4·96	-3·33	-3·33	-4·32	-4·03	-4·32	-4·63	-4·99
	26	-6·40	-6 50	-6·50	-7·02	-5·98	-5·36	-4·94	-4·94	-5·15	-4·94	-5·41	-5·51
	27	-7·07	-7·51	-7·28	-7·44	-5·46	-4·99	-6·19	-7·02	-7·49	-7·02	-6·03	-5·98
	28	-7·54	-8·06	-8·53	-7 80	-6·50	-4·84	-4·63	-5·56	-5·07	-4·89	-4·94	-4·94
	29	-7·54	-7·54	-8·06	-8·32	-7·02	-5·31	-6·[illegible]1	-7·33	-7·12	-6·40	-5·56	-5·98
	30	-7·49	-7·54	-7·54	-7·02	-5·98	-6·03	-6·50	-7·70	-7·18	-5·56	-4·84	-4·42
	31												

SMALL DECLINATION MAGNETOMETER.

Date. Göttingen Mean Time.		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
FEBRUARY, 1846.	1	-6·08	-5·98	-5·98	-5·98	-4·94	-4·00	-4·42	-5·46	-5·98	-4·63	-4·47	-4·47
	2	-5·93	-5·98	-5·98	-5·46	-4·94	-4·52	-5·04	-6·40	-6·24	-5·88	-5·93	-5·93
	3	-5·46	-5·46	-5·46	-4·94	-4·16	-3·38	-3·85	-4·99	-5·46	-4·94	-4·21	-3·95
	4	-5·72	-5·95	-5·98	-5·16	-4·30	-3·38	-4·32	-5·41	-5·88	-5·72	-5·56	-5·41
	5	-6·05	-6·50	-6·50	-6·11	-5·46	-4·73	-4·52	-5·46	-5·72	-5·56	-5·88	-5·88
	6	-6·62	-6·50	-6·76	-6·50	-5·59	-5·20	-5·41	-6·45	-6·08	-5·65	-5·20	-5·15
	7												
	8	-7·44	-7·49	-7·54	-8·06	-8·06	-7·07	-6·92	-6·76	-6·50	-5 39	-3·93	-4·37
	9	-5·46	-5·85	-5·98	-7·02	-6·50	-6·92	-7·02	-6·45	-5·98	-4·94	-3·57	-3·28
	10	-6·50	-6·50	-6·45	-6·50	-6·03	-5·98	-5·98	-6·40	-6·50	-4·99	-3·62	-3·38
	11	+10·14	10·14	10·14	10·14	9·67	9·10	8·58	8·58	9·10	+10·40	+11·91	+13·00
	12	11·20	11·18	11·18	11·70	11·70	11·18	10·14	9·10	9·31	10·61	11·68	12·27
	13	10·92	10·66	11·18	11·18	11·67	11·28	10·56	9·62	10·14	11·60	12·12	12·62
	14												
	15	11·10	11·18	11·70	12·22	11·70	11·18	10·87	10·76	10·50	11·60	12·48	13·26
	16	11·13	11·70	12·12	12·74	13·00	12·74	11·91	11·08	10·56	10·66	11·23	12·06
	17	11·70	11·70	12·22	12·74	12·74	12·22	11·19	11·18	10·56	10·66	11·65	12·74
	18	11·91	12 01	12·22	12·74	12·74	12·64	11·70	10·76	10·66	11·16	12·17	12·82
	19	11·70	11·75	12·22	12·50	12·01	10·71	9·93	9·62	9·62	10·61	12·12	12·62
	20	12·22	12·22	12·53	12·74	12·74	11·96	10·35	10·19	10·09	11·13	12·17	13·26
	21												
	22	11·25	11·20	11·70	12·79	13·73	13·00	11·67	10·24	10·04	10·61	12·12	13·26
	23	11·70	11·70	12·22	13·26	13·31	12·12	10·66	10·14	10·04	10·40	11·70	13·26
	24	12·22	12·22	12·22	12·74	13·52	13·26	11·96	11·02	10·50	11·13	12·10	13·26
	25	14·82	14·30	13·26	13·10	13·52	12·22	11·18	11·49	12·19	12·69	13·26	14·30
	26	12·27	12·22	12·22	13·26	13·78	12·89	11·18	11·28	11·28	11·58	12·79	14·30
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	12·69	12·74	13·26	14·30	14·30	13·05	11·70	10·24	10·04	11·16	11·54	12·22
	29												
	30												
	31												

Date.	Göttingen Mean Time.	SMALL DECLINATION MAGNETOMETER.											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
MARCH, 1846.	1												
	2	13·78	13·26	13·04	13·16	13·31	13·26	13·26	13·26	13·26	13·26	13·26	13·26
	3	14·14	14·30	13·78	13·78	13·52	13·78	13·28	13·31	13·31	13·26	13·26	13·16
	4	14·77	13·88	13·78	13·26	13·88	14·30	13·78	13·78	13·78	13·31	13·26	13·26
	5	14·30	13·88	13·78	14·25	13·78	13·78	13·78	13·73	13·78	13·68	13·68	13·57
	6	14·72	13·88	13·78	13·78	13·78	13·78	13·78	13·78	13·85	13·78	13·78	13·78
	7												
	8	14·82	14·30	13·83	13·90	13·80	13·78	13·80	14·30	14·30	14·30	14·25	14·25
	9	14·82	14·35	13·76	13·83	13·93	14·30	14·30	14·30	14·25	13·99	13·88	13·78
	10	14·92	14·30	13·68	13·73	14·04	14·30	14·25	14·20	14·04	13·93	13·99	13·78
	11	14·40	14·37	13·78	13·83	14·09	14·25	14·14	14·35	14·51	14·30	14·30	14·25
	12	14·92	14·10	14·30	14·30	14·30	14·30	14·56	14·72	14·45	14·56	14·66	14·61
	13	15·34	—	15·86	15·86	15·39	15·34	15·34	15·86	15·86	15·86	16·38	16·17
	14												
	15	15·49	14·46	14·20	14·35	14·82	14·87	15·29	14·82	15·34	14·92	15·34	15·34
	16	14·82	14·61	14·72	14·45	14·30	14·30	14·82	14·82	15·34	15·86	14·82	14·82
	17	14·87	15·13	14·80	14·54	14.28	14·72	14·60	14·82	14·92	14·82	14·35	14·82
	18	15·34	14·66	14·72	14·77	14·72	14·77	14·82	14·82	14·92	14·82	—	—
	19	—	—	—	—	—	—	—	—	—	—	14·82	14·82
	20	14·92	14·87	14·82	14·77	14·72	14·82	14·82	14·82	14·82	14·82	14·82	14·82
	21												
	22	15·86	15·55	15·03	15·03	14·92	15·24	15·24	15·34	15·34	15·39	15·34	15·34
	23	14·92	15·29	15·29	15·12	15·13	15·34	15·08	15·39	15·81	15·86	15·34	15·29
	24	12·74	12·69	12·58	12·53	12·74	13·00	13·26	13·52	13·78	13·41	13·26	13·26
	25	13·88	13·88	13·16	12·79	12·84	12·74	12·74	12·74	13·16	13·21	12·74	12·74
	26	14·92	14·40	13·78	13·99	13·26	13·31	13·31	13·78	13·56	13·36	12·95	13·26
	27	13·88	13·68	13·26	13·78	14·30	13·78	13·78	13·78	13·78	13·78	13·47	13·26
	28												
	29	14·18	13·41	13·26	13·44	13·73	13·78	13·78	13·83	13·90	13·88	13·83	13·78
	30	13·78	14·14	13·78	13·93	14·20	14·30	13·78	14·04	14·27	14·25	13·78	13·88
	31	15·03	15·29	14·82	15·03	14·82	14·82	14·82	15·34	15·34	15·34	15·24	14·92

Date.	Göttingen Mean Time.	SMALL DECLINATION MAGNETOMETER.											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
APRIL, 1846.	1	13′62	13′52	12′43	11′96	12′20	12′22	12′66	12′66	12′48	12′22	12′74	12′64
	2	12·84	13·26	13·26	12·37	12·22	12·22	12·22	12·22	12·50	12·32	12·32	12·22
	3	13·10	13·00	12·48	12·22	12·22	12·22	12·22	12·71	12·74	12·74	12·74	12·74
	4												
	5	12·72	12·76	12·32	12·22	12·04	12·22	12·22	12·22	12·74	12·84	12·84	12·74
	6	13·16	13·26	13·36	12·84	13·16	13·26	13·78	13·78	14·30	14·82	13·99	13·99
	7	12·95	13·26	13·26	13·00	13·21	13·28	13·33	13·26	13·52	13·78	13·83	13·83
	8	13·47	13·36	13·41	12·84	13·26	13·26	13·52	13·78	13·78	13·78	13·68	13·31
	9	13·68	13·26	12·74	12·64	12·79	13·26	13·26	13·26	13·28	13·36	13·26	13·26
	10	13·78	13·31	12·74	12·58	12·79	13·52	13·80	14·82	14·84	13·78	13·78	14·72
	11												
	12	14·30	14·40	13·78	13·00	13·26	13·78	13·78	13·78	14·27	14·30	14·30	14·20
	13	13·31	13·73	13·78	13·83	13·73	14·30	14·56	14·82	14·82	14·72	13·78	14·25
	14	14·20	14·57	14·35	13·78	14·09	13·78	14·30	14·61	14·82	14·77	14·35	14·35
	15	13·26	13·26	13·26	13·26	13·73	13·80	13·78	14·30	14·82	14·56	15·34	15·34
	16	14·09	13·36	14·30	14·30	14·82	14·56	15·34	14·87	15·34	15·34	14·72	15·34
	17	14·09	14·25	13·88	14·25	13·83	13·78	14·56	14·30	14·30	14·82	14·77	14·82
	18												
	19	14·36	14·20	13·62	13·78	14·09	14·30	14·56	14·82	14·82	14·92	14·66	14·71
	20	30·88	13·83	13·68	13·73	13·36	13·78	13·78	14·30	14·30	14·30	14·61	14·40
	21	14·56	14·82	14·30	14·04	14·25	14·07	13·78	14·04	14·30	14·30	14·30	14·30
	22	15·08	14·92	13·47	13·52	13·78	14·02	13·78	13·78	14·30	14·09	—	—
	23	—	—	—	—	—	—	—	—	—	—	14·30	14·30
	24	14·35	14·87	14·37	13·78	13·70	13·52	14·02	13·78	14·30	14·30	14·25	13·78
	25												
	26	14·72	14·77	14·40	13·78	13·83	14·30	13·83	14·82	14·56	14·82	14·20	14·30
	27	14·56	14·56	14·72	14·30	14·25	14·30	14·30	14·30	14·30	14·30	14·30	14·30
	28	14·20	14·56	14·30	13·88	13·78	14·04	14·30	14·30	14·30	14·30	14·32	14·30
	29	12·84	13·78	14·25	13·31	13·29	13·78	13·78	13·78	14·30	14·30	14·35	13·99
	30	13·78	14·04	14·56	14·30	14·04	14·04	14·04	14·30	14·30	14·40	14·30	14·61
	31												

SMALL DECLINATION MAGNETOMETER.

Date. Göttingen Mean Time.		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
MARCH, 1846.	1												
	2	13·16	13·26	13·52	13·78	14·30	13·90	12·74	11·70	11·65	11·70	12·22	13·52
	3	13·26	13·26	13·36	13·88	14·35	14·82	14·25	13·26	13·00	13·05	13·78	14·61
	4	13·26	13·52	13·78	13·78	13·73	13·21	12·74	12·48	12·71	12·64	13·52	14·40
	5	13·41	13·52	13·88	14·82	15·29	14·82	14·30	13·78	13·31	13·78	14·30	14·82
	6	13·73	13·68	14·20	14·82	15·31	15·08	14·30	13·26	12·74	13·26	14·30	14·97
	7												
	8	13·99	14·20	14·51	14·80	14·82	14·30	13·78	12·74	11·70	12·32	13·68	14·72
	9	13·78	13·78	14 35	15·08	15·08	14·30	13·73	13·03	12·69	12·84	13·68	14·72
	10	13·81	13·83	14·51	15·24	15·29	14·30	13·26	12·22	11·91	12·12	12·74	13·78
	11	13·88	14·09	14·77	15·18	15·44	15·34	14·30	13·26	12·22	12·64	13·68	14·61
	12	14·35	14·72	14·82	15·34	15·44	15·34	14·30	13·78	13·78	14·35	15·34	15·34
	13	15·86	15·34	15·39	16·33	16·28	15·88	15·62	14·82	14·82	14·25	14·30	15·03
	14												
	15	14·82	14·82	14·77	15·18	15·76	15·60	15·86	14·82	13·31	13·26	13·88	14·45
	16	14·82	14·09	14·35	14·90	14·92	14·82	13·78	13·26	12·22	12·32	13·47	13·99
	17	14·77	14·82	15·01	15·44	15·86	15·86	14·82	13·83	12·84	12·84	13·26	14·09
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	14·66	14·43	14·40	15·34	15·81	15·76	15·86	14·82	14·04	13·57	14·04	14·82
	20	14·82	15·24	15·44	15·96	16·33	16·38	15·86	14·56	13·52	13·73	13·78	14·20
	21												
	22	15·24	15·08	14·61	15·34	15·86	15·86	15·81	15·34	13·83	13·26	13·31	14·30
	23	15·34	15·39	15·86	17·00	17·52	17·42	17·00	14·32	12·48	11·18	11·80	12·74
	24	12·84	12·84	13·16	13·94	14·92	15·65	14·82	13·86	11·28	10·87	11·70	12·95
	25	12·74	12 64	12·74	12·35	15·65	16·80	16·33	15·08	13·26	12·22	12·37	13·93
	26	13·21	13·19	13·68	14·40	14·90	14·82	14·56	13·68	11·80	11·44	12·22	13·68
	27	13·21	13·31	13·68	14·92	16·07	—	—	—	—	12·74	12·74	13·88
	28												
	29	13·78	13·62	13·26	13·78	14·25	14·56	14·82	13·96	12·74	12·27	12·74	13·57
	30	13·78	13·78	13·68	14·30	13·88	13·78	13·26	11·70	10·94	11·18	12·17	13·57
	31	14·77	14·92	15·08	16·80	17·11	16·90	16·38	14·53	13·78	13·78	14·82	16·33

SMALL DECLINATION MAGNETOMETER.

Date. Göttingen Mean Time.		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
APRIL, 1846.	1	12′48	12′48	13′05	14′30	15′13	15′34	14′82	13′26	11′72	11′60	11′91	12′69
	2	12·22	12·32	12·64	13·31	14·04	14·84	15·34	14·30	12·45	11·18	11·75	12·58
	3	12·74	12·74	12·74	13·73	14·30	16·38	14·82	13·26	11·41	11·18	11·70	12·32
	4												
	5	12·74	12·74	12·79	13·78	14·30	14·82	14·30	13·59	13·26	12·74	12·27	12·74
	6	13·73	13·99	14·87	15·34	15·60	14·82	14·30	12·22	10·66	10·14	11·44	12·22
	7	13·36	13·26	13·78	14·82	15·24	15·34	14·30	12·22	11·18	11·39	12·01	13·26
	8	13·26	13·26	14·20	15·39	16·28	15·86	14·30	12·74	11·44	11·23	12·22	13·16
	9	13·26	13·05	13·78	14·72	14·92	14·32	13·26	11·70	10·66	11·02	12·32	13·36
	10	14·40	14·09	14·30	14·72	14·56	14·82	13·26	12·22	11·18	11·39	11·18	11·70
	11												
	12	14·14	13·78	14·30	15·86	16·90	16·90	15·08	13·33	12·74	12·01	12·22	12·84
	13	14·30	13·93	15·13	16·38	16·85	15·98	15·34	13·78	12·22	12·12	12·27	13·26
	14	14·30	13·78	14·82	16·17	16·33	15·86	15·34	14·30	13·26	12·22	12·43	12·48
	15	14·51	14·30	14·82	16′17	15·91	15·34	14·30	13·78	12·74	12·74	12·89	13·47
	16	14·30	14·82	14·92	15·39	15·96	15·34	14·30	13·23	12·22	11·39	12·32	13·21
	17	14·30	14·30	14·66	15·34	15·49	14·59	13·50	12·71	11·75	11·13	12·06	12·32
	18												
	19	14·40	14·72	15·81	16·85	17·32	16·88	14·82	12·47	11·18	11·70	12·53	13·26
	20	14·82	14·77	15·76	16·69	16·48	15·60	13·78	11·70	11·18	12·12	12·74	13·78
	21	14·30	14·45	15·81	17·37	17·37	16·90	15·34	13·78	13·26	12·84	13·78	14·30
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	13·78	13·78	14·87	16·43	17·11	15·86	14·28	11·70	10·97	10·66	11·96	13·33
	24	13·78	13·78	15·03	17·00	17·99	16·38	14·30	12·22	11·18	11·75	12·22	12·74
	25												
	26	14·35	14·56	15·76	16·38	16·64	16·64	15·34	13·78	12·22	11·91	13·16	13·78
	27	14·30	14·36	15·29	15·91	15·91	15·34	13·78	12·25	12·17	12·22	13·10	13·36
	28	14·30	14·20	14·82	16·28	16·43	15·60	14·30	13·26	12·22	12·32	12·53	12·43
	29	13·99	13·31	14·35	16·28	16·95	16·38	15·34	14·30	12·74	12·22	12·74	13·47
	30	14·30	14·09	14·82	15·70	16·28	15·99	15·34	14·30	13·52	12·74	13·26	13·73
	31												

SMALL DECLINATION MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1ʰ	2ʰ	3ʰ	4ʰ	5ʰ	6ʰ	7ʰ	8ʰ	9ʰ	10ʰ	11ʰ
MAY, 1846.	1	14′·09	14′·56	14′·82	14′·51	14′·30	14′·30	14′·30	14′·43	14′·51	14′·82	14′·72	14′·61
	2												
	3	14·82	15·08	15·81	14·77	14·35	14·30	14·30	14·56	14·59	14·82	14·80	14·72
	4	13·05	13·00	12·79	13·78	14·40	15·34	15·34	15·86	15·34	15·34	14·86	15·39
	5	14·72	14·35	14·77	14·77	14·72	14·82	15·08	15·21	15·34	15·65	16·33	15·86
	6	15·34	15·29	14·61	14·35	14·56	14·82	14·82	15·34	15·34	15·34	15·29	15·29
	7	15·91	15·96	15·13	14·35	14·61	15·34	15·60	15·86	15·86	15·86	15·86	15·76
	8	14·82	15·34	15·34	14·92	15·24	15·34	15·60	15·76	15·86	15·86	15·91	15·86
	9												
	10	15·44	15·86	14·97	14·82	14·72	14·82	15·34	15·34	15·34	15·34	15·34	15·34
	11	14·82	15·86	15·39	15·82	14·82	14·82	15·34	15·34	15·34	15·86	15·86	15·86
	12	14·25	14·30	14·20	15·65	14·92	15·86	16·38	15·86	16·38	17·16	16·38	17·42
	13	15·34	16·38	16·80	15·86	15·65	15·86	15·86	15·86	16·12	15·96	16·38	16·38
	14	15·34	15·86	16·38	16·38	15·37	15·34	15·86	15·86	16·38	15·86	15·91	16·33
	15	14·77	15·29	15·86	15·34	15·34	15·34	15·60	15·86	15·86	15·86	15·86	15·86
	16												
	17	15·18	15·34	14·87	14·92	15·08	15·34	15·86	15·81	15·86	15·76	15·86	15·86
	18	14·97	14·35	14·04	13·78	14·38	14·82	15·34	15·34	15·60	15·86	15·86	15·70
	19	15·86	16·38	15·42	14·82	15·13	15·34	15·34	15·86	15·86	15·76	15·34	15·39
	20	15·49	15·70	15·34	15·34	15·39	15·86	15·86	15·86	15·73	15·86	15·76	15·34
	21	16·38	15·86	15·34	16·38	15·60	15·86	15·60	15·86	15·89	15·96	15·86	15·86
	22	14·82	16·17	16·12	15·39	15·34	15·86	15·86	16·64	15·86	15·86	15·96	15·86
	23												
	24	16·80	16·90	16·38	15·34	15·34	15·81	15·34	15·86	15·86	15·86	15·86	15·86
	25	16·28	16·12	16·38	16·33	15·60	15·34	15·34	15·86	15·86	16·33	16·22	16·22
	26	16·38	16·38	16·07	15·53	15·34	14·82	15·34	15·34	15·60	15·60	15·76	15·81
	27	16·28	16·85	16·48	15·34	15·34	15·86	15·86	15·86	15·89	15·86	15·86	15·86
	28	15·65	15·39	15·34	15·24	15·34	15·34	15·34	15·86	15·86	15·86	15·86	15·86
	29	14·92	15·86	15·86	15·39	15·34	15·34	15·34	15·73	15·86	15·86	—	—
	30												
	31												

SMALL DECLINATION MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1ʰ	2ʰ	3ʰ	4ʰ	5ʰ	6ʰ	7ʰ	8ʰ	9ʰ	10ʰ	11ʰ
JULY, 1846.	1	11′·43	12′·42	13′·00	12′·37	13′·33	12′·90	13′·16	13′·16	13′·42	13′·42	13′·42	13′·36
	2	11·85	11·59	11·85	12·42	12·83	12·90	12·90	13·36	13·42	13·73	13·73	13·94
	3	13·16	13·94	13·42	13·42	13·13	12·63	12·90	12·90	13·16	13·42	13·42	13·21
	4												
	5	12·45	13·42	12·90	12·37	12·63	12·90	12·90	13·39	13·42	13·99	13·94	14·52
	6	13·00	12·90	12·37	11·90	12·37	12·60	13·42	13·36	13·42	13·78	14·20	13·42
	7	12·83	12·78	13·31	13·42	13·31	12·90	13·42	13·36	13·42	13·94	13·94	13·58
	8	12·90	13·42	13·36	12·90	12·90	12·90	13·42	13·42	13·42	13·88	13·42	13·52
	9	13·31	13·42	13·42	12·63	12·90	12·90	12·90	13·16	13·42	13·42	13·21	13·42
	10	12·37	13·42	13·81	12·90	12·37	12·37	12·37	13·36	13·42	13·42	13·63	13·94
	11												
	12	12·90	12·83	13·94	14·04	13·36	12·90	12·96	13·21	13·02	12·90	12·90	13·31
	13	12·37	13·88	13·42	12·90	12·37	12·63	13·88	13·94	12·90	13·36	13·42	12·90
	14	11·74	12·37	13·23	12·63	12·31	12·37	12·90	12·90	12·90	13·42	12·95	13·42
	15	11·53	12·26	12·90	12·83	12·90	12·90	12·90	12·90	12·90	13·00	12·90	13·36
	16	12·37	12·90	12·78	12·83	12·83	12·90	12·90	12·57	12·57	13·00	13·05	13·05
	17	12·37	12·95	12·90	12·83	12·31	12·90	13·16	12·90	12·90	12·90	12·90	12·90
	18												
	19	12·52	13·16	12·83	12·26	12·78	12·37	12·37	12·37	12·37	12·37	12·37	12·90
	20	12·83	12·63	12·31	12·31	12·57	12·37	12·34	12·26	12·11	12·42	12·31	12·90
	21	13·42	14·35	12·95	11·90	11·90	11·85	—	—	—	—	—	—
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	12·37	12·37	12·11	11·38	11·95	11·85	12·37	13·42	13·42	13·42	13·94	13·94
	25												
	26	12·37	12·83	12·37	11·85	12·11	12·11	12·37	12·37	12·90	13·00	12·83	13·42
	27	12·42	12·90	12·90	11·90	12·31	12·37	12·37	12·78	12·37	13·00	12·90	12·90
	28	12·47	12·95	12·42	11·95	11·95	12·37	12·37	12·37	12·90	12·95	13·00	13·00
	29	11·17	11·79	12·37	12·63	12·90	13·36	13·73	13·50	13·42	13·16	13·42	13·36
	30	11·95	12·90	12·37	11·85	11·85	11·85	12·37	12·37	12·90	13·42	13·42	13·78
	31	11·59	12·37	12·21	12·37	12·37	12·90	12·90	12·90	12·57	13·10	13·42	12·78

SMALL DECLINATION MAGNETOMETER.

Date. Göttingen Mean Time.		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
MAY, 1846.	1	14′30	14′30	14′97	16′38	16′90	16′64	15′86	13′91	13′26	12′84	12′84	13′36
	2												
	3	14·40	14·72	15·39	16·22	16·43	16·85	15·34	13·78	12·74	12·95	10·14	10·14
	4	16·33	16·38	17·32	17·32	17·32	15·86	15·34	13·78	12·87	13·26	13·78	14·09
	5	15·86	15·34	15·86	15·96	15·86	15·08	13·78	13·26	12 74	13·78	14·35	15·13
	6	15·13	14·82	16·28	17·05	17·37	16·62	14·82	13·78	13·00	13·26	14·82	15·91
	7	15·76	15·86	16·64	17·21	16·90	15·34	14·30	12·74	11·70	12·12	13·26	14·20
	8	15·34	15·39	17·37	19·08	18·61	15·86	12·74	11·70	11·96	13·16	14·30	15·34
	9												
	10	15·04	15·86	17·42	18·15	18·04	16·90	14·25	12·74	11·70	12·12	13·16	13·41
	11	15·49	16·33	18·93	19·50	19·50	17·42	15·86	13·78	12·22	12·06	13·26	13·36
	12	16·59	16·90	17·68	18·36	18·46	17·66	16·38	14·85	13·78	13·73	13·68	14·82
	13	16·43	16·64	18·98	18·98	18·61	17·16	15·34	13·78	12·74	12·74	13·88	14·82
	14	16·38	16·43	18·20	17·99	17·57	16·38	14·82	13·78	13·78	13·78	14·30	14·51
	15	15·96	15·96	17·00	17·84	17·78	16·90	15·34	14·30	13·78	13·73	13·99	14·30
	16												
	17	15·96	16·38	17·37	17·89	17·68	16·38	14·87	13·78	12·79	14·25	14·84	15·24
	18	15·91	15·81	17·52	18·46	18·46	17·50	15·03	13·78	13·78	14·14	14·40	15·34
	19	15·34	15·34	16·74	17·37	17·34	15·86	14·30	13·70	13·00	13·36	14·51	14·72
	20	15·31	16·38	17·84	17·99	16·95	15·60	14·30	12·79	12 74	13·78	14·51	15·34
	21	15·96	17·09	18·93	19·55	19·50	17 89	15·34	12·74	11·75	12·22	12·84	13·88
	22	15·86	16 38	17·94	19·45	19·50	17·94	15·88	14·82	13·78	13·31	13·78	15·34
	23												
	24	15·86	16·48	17·42	18·46	18·25	16·41	14·30	12·74	12·74	12·95	14·30	15·34
	25	15·86	16·38	17·89	18·25	17·94	15·86	14·30	13·26	12.22	13·21	14·30	15·34
	26	15·86	16·38	17·47	18·46	18·46	17·14	14·30	13·49	12·74	12·64	13·78	14·87
	27	15·86	16·33	14·42	17·94	17·84	16·20	15·60	14·37	14·30	14·30	14·82	15·03
	28	15·86	16·33	17·05	17·94	18·36	16·90	13·78	11·70	11·18	11·70	12·76	13·78
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30												
	31												

SMALL DECLINATION MAGNETOMETER.

Date. Göttingen Mean Time.		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
JULY, 1846.	1	13′47	13′94	15′04	16′04	16′56	15′51	14′01	12′26	11′33	11′64	11′33	10′81
	2	13·94	14·20	14·93	14·93	14·20	13·70	12·37	11·90	11·85	11·33	11·53	12·26
	3	13·42	13·94	14·99	14·52	14·01	12·63	11·71	11·07	10·88	11·43	11·27	11·33
	4												
	5	14·40	14·52	15·92	15·87	15·04	13·65	11·92	11·33	10·28	10·28	10·81	10·48
	6	13·88	14·47	14·52	15·51	14·52	13·42	12·37	12·31	11·64	11·79	12·00	12·37
	7	14·14	14·17	16·04	16·50	16·04	14·32	12·37	11·85	11·33	11·01	11·79	12·47
	8	13·42	13·99	15·51	16·04	15·71	15·04	13·42	12·37	10·81	10·91	11·85	12·37
	9	13·42	13·83	14·52	15·04	15·45	14·99	12·37	10·81	9·84	10·33	10·86	11·38
	10	13·83	13·88	15·25	15·97	16·04	14·47	12·37	10·28	9·24	8·71	7·77	8·71
	11												
	12	12·92	13·42	14·40	14·93	14·47	13·94	13·42	11·85	9·76	11·01	10·81	10·81
	13	13·42	13·94	15·40	15·61	15·58	14·47	13·65	12·37	11·79	10·81	11·24	11·33
	14	13·73	13·94	14·40	14·47	14·47	14·47	12·31	10·81	10·28	9·91	10·28	10·74
	15	13·10	12·83	13·94	15·04	16·04	14·99	13·94	12·37	11·59	11·04	11·59	11·85
	16	12·90	13·36	14·40	14·52	14·57	13·42	12·63	11·33	10·81	10·17	10·38	11·33
	17	13·42	13·94	15·09	15·97	15·45	12·37	13·94	12·37	11·31	10·81	11·33	11·43
	18												
	19	12·90	13·47	14·99	15·45	14·99	13·94	11·97	10·28	10·28	10·38	11·59	12·05
	20	13·00	13·47	15·40	14·88	13·45	14·37	12 37	11·33	10·28	10·38	11·33	12·37
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	—	—	—	—	—	—	—	8·71	8·97	9·55	10·81	11·43
	24	13·94	14·52	14·93	15.45	15·14	13·42	11·33	10·02	9·70	9·76	10·38	11·33
	25												
	26	13·78	14·20	15·25	15·25	15·09	13·42	12·11	10·30	10·40	10·91	11·33	11·79
	27	12·95	13·94	15·45	15·14	14·99	13·42	12·37	10·94	10·81	10·69	11·33	11·85
	28	13·26	13·16	14·40	14·47	14·33	13·42	11·62	9·76	9·00	8·68	8·91	10·17
	29	13·42	13·73	14·52	15·09	14·93	14·20	12·90	11·71	10·02	9·70	9·81	11·33
	30	13·62	13·16	14·99	14·93	13·31	11·64	10·81	9·89	10·28	9·55	9·39	10·28
	31	13·00	14·04	14·99	15·45	14·40	13·36	12·37	10·74	10·28	9·76	10·28	10·22

SMALL DECLINATION MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
AUGUST, 1846.	1												
	2	11′85	12′83	12′83	11′85	11′95	12′37	12′37	12′42	12′90	13′10	12′83	13′42
	3	11·33	11·85	11·85	11 90	12·11	12·37	12·90	12·63	12·90	12 90	12·90	12·90
	4	12·26	12·42	12·42	12·11	12·11	12·37	12·37	12·37	12·37	12·78	12·90	12·63
	5	12·26	12·37	11·85	12·31	11·90	12·37	12·37	13·43	12·90	12·90	12·78	13·00
	6	11·74	11·74	11·85	11·85	12·31	11·90	11·90	12·37	12·63	12·78	12·90	12·37
	7	13·42	13·16	13·42	12·90	12·73	11·85	12·34	12·37	12·37	12·37	12·90	13·42
	8												
	9	12·90	14·47	13·99	13·83	13·36	12·63	12·90	12·90	12·42	13·00	12·95	12·90
	10	13·42	14·47	13·94	12·78	12·83	12·90	12·90	12·90	12·90	12·90	12·90	13·42
	11	12·90	13·42	13·16	12·37	12·37	12·63	12·90	12·90	12·93	12·90	13·42	13·42
	12	11·90	12·47	13·42	13·42	13·94	13·94	13·55	13·65	12·90	12·90	12·78	12·37
	13	13·94	14·52	14·47	13·42	13·42	13·42	12·90	12·90	12·50	12·47	12·47	12·83
	14	12·37	12·90	13·68	13·94	13·94	13·94	13·36	13·36	13·42	13·26	13·42	13·42
	15												
	16	12·83	13·42	13·36	12·90	12·83	12·90	13·42	13·42	13·42	13·36	12·95	12·90
	17	12·90	12·90	12·90	12·37	12·37	12·83	13·42	12·90	13·36	13·31	13·47	13·57
	18	13·42	13·42	13·42	13 31	13·31	12·90	13·42	12 90	12·90	13·16	12·95	13·00
	19	13·62	13·94	13·42	12·90	12·90	13·42	13·36	12·90	12·93	12·95	13·39	13·42
	20	13·05	13·88	13·42	13·16	12·90	12·90	12·90	12·90	12·90	12·90	12·90	13·21
	21	13·42	13·68	12·90	13·00	12·37	12·90	12·50	12·63	12·93	12·90	13·21	13·42
	22												
	23	12·90	13·94	12·95	12·31	12·37	12·37	12·90	12·90	13·42	13·62	13·94	13·42
	24	11·85	12·37	11·85	11·59	12·37	12·37	12·90	12·90	13·39	13·00	13·42	13·94
	25	12·95	13·94	12·90	12·37	12·42	12·57	12·90	12·98	12·90	12·90	13·36	13·42
	26	12·26	13·31	12·90	12·90	12·90	12·40	12·37	12·83	12·90	12·90	13·31	13·42
	27	13·36	13·78	12·90	12·68	12·37	12·37	12·37	12·37	12·90	12·57	12·90	12·90
	28	11·85	13·63	12·37	11·85	12·42	12·90	13·42	13·26	13·42	13·42	—	—
	29	—	—	—	—	—	—	—	—	—	—	12·52	13·62
	30												
	31	12·90	13·42	13·31	12·83	12·53	12·37	12·90	13·12	13·29	13·36	12·95	13·36

SMALL DECLINATION MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
SEPTEMBER, 1846.	1	12′90	13′31	12′90	12′83	12′63	12′90	12′63	12′68	13′16	13′26	13′10	13′16
	2	13·45	13·42	12·47	12·37	12·37	12·37	12·47	12·90	12·90	13·26	13·42	13·42
	3	14·25	13·88	12·37	12·37	12·37	12·37	12·45	12·78	12·90	13·05	13·00	13·00
	4	14·47	14·99	13·42	12·90	13·26	12·63	12·90	12·63	12·90	12·90	12·90	12·68
	5												
	6	12·90	13·99	13·00	13·42	13·31	13·94	12·42	12·90	12·90	12·90	13·21	13·26
	7	14·40	13·10	13·42	13·12	12·95	12·90	12·90	12·63	12·45	12·57	12·57	12·78
	8	14·99	14·99	14·57	14·47	15·09	14·47	13·14	13·50	13·42	12·47	12·90	13·31
	9	14·93	14·57	13·94	14·25	13·68	13·42	13·16	12·90	12·37	11·85	11·90	12·37
	10	14·04	13·94	13·42	12·90	13·36	13·39	12·90	12·90	12·90	13·16	12·95	12·37
	11	13·52	14·35	13·42	12·42	12 95	13·94	12·37	12·90	12·90	12·68	10·81	12·73
	12												
	13	13 94	13·42	12·90	12·90	12·78	12·90	12 90	12·90	12·90	12·90	12·26	12·90
	14	13·88	14·47	13·42	13·94	13·68	13·42	12·90	13·42	13·36	12·95	12·73	12·95
	15	14·43	14·47	13·31	13·42	13·42	12·90	12·90	12·90	12·90	12·90	13·16	12·90
	16	13·36	13·21	12·37	12·78	12·37	12·37	12·21	12·37	12·37	12·37	12·83	12·90
	17	13·83	13·42	12·42	12·37	12·31	12·26	12·37	12·63	12·90	12·90	12·42	12·78
	18	13·83	13·00	11·85	11·85	12·05	12·37	12·37	12·63	12·90	12·90	12·90	12·90
	19												
	20	13·42	12·37	12·15	12·60	12·37	12·37	12·37	12·63	12·78	12·90	12·90	13·00
	21	12·42	11·74	11·33	11·59	11·85	11·43	11·59	12·37	12·63	14·04	13·94	13·42
	22	14·47	14·47	14·93	16·56	15·61	15·62	14·47	14·04	13·94	14·57	13·00	12·90
	23	12·90	12·90	12·78	12·73	12 78	12·63	12·90	12·90	13·16	13·83	—	—
	24	—	—	—	—	—	—	—	—	—	—	13·94	13·94
	25	13·31	12·37	12·26	12·31	12·37	12·42	12·90	13·42	13·16	13·42	13·42	12·90
	26												
	27	13·42	13·00	12·37	12·63	13·00	13·42	12·90	13·42	13·42	13·52	13·42	13·73
	28	13·42	12·83	12·89	12·83	13·00	13·42	13·42	12·90	13·45	13·52	13·52	13·62
	29	13·73	12·90	12·63	12·78	12·90	12·90	12·90	13·42	13·45	13·94	13·52	13·42
	30	12·90	12·42	12·78	12·90	12·90	13·42	13·42	13·42	13 42	13·42	14·47	13·47
	31												

SMALL DECLINATION MAGNETOMETER.

Date. Göttingen Mean Time.		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
AUGUST, 1846.	1												
	2	13′42	13′42	14′88	16′04	15′97	14′99	12′90	10′81	9′76	9′76	9′81	10′91
	3	13·36	13·52	14·73	15·04	14·99	13·36	11·53	10·31	9·76	9·76	10·28	11·33
	4	12·57	12·95	14·47	15·51	15·51	13·94	11·85	10·02	9·24	9·34	10·81	11·53
	5	13·16	14·14	15·51	17·02	16·97	13·42	10·28	9·24	8·71	8·91	8·97	11·01
	6	12·90	12·63	14·99	15·97	16·66	12·95	11·90	11·43	10·81	10·96	10·81	12·37
	7	13·57	14·47	16·04	16·50	15·04	12·90	11·10	10·41	9·24	9·76	10·96	12·37
	8												
	9	12·90	13·88	14·52	14·93	13·42	12·37	10·81	9·53	8·97	9·86	10·81	11·79
	10	13·42	13·94	16·04	16·82	15·97	13·94	11·85	9·89	9·96	11·01	11·85	12·26
	11	13·10	13·42	14·47	15·40	15·51	14·14	11·62	9·84	9·76	10·07	10·38	10·86
	12	13·31	13·94	14·63	15·92	15 92	14·47	12·83	10·28	9·73	10·28	11·33	12·90
	13	12·90	13·42	14·47	14·47	13·42	11·85	11·27	10·81	10·28	10·38	10·91	11·85
	14	13·94	14·47	16·04	15·51	15·04	14·47	12·63	11·85	11·33	10·28	10·86	12·31
	15												
	16	13·42	13·88	14·99	15·45	13·99	12·37	10·86	10·81	10·28	10·48	11·79	12·37
	17	13·42	13·88	15·45	15·97	14·99	13·94	11·85	11·62	11·85	12·26	12·90	12·95
	18	13·42	13·16	13·62	14·47	14·30	12·37	11·27	9·84	9·70	10·28	11·33	12·47
	19	13·42	13·94	15·61	16·40	15·97	13·99	12·16	11·36	10·81	11·69	12·42	12·95
	20	13·16	13·42	14·99	15·56	15·61	13·94	11·33	9·76	8·50	8·13	10·28	12·26
	21	13·83	13·94	15·45	16·45	16·50	15·51	12·45	10·81	9·76	10·12	10·59	11·79
	22												
	23	13·62	14·47	15·25	15·77	14·93	12 37	10·15	8·19	8·19	8·81	9·70	10·81
	24	13·42	13·94	16·56	17·70	16·50	13·42	10·81	8·94	8·19	9·34	9·81	11·33
	25	13·42	13·68	14·99	16·45	15·40	12·63	10·28	8·65	8·19	9·24	10·74	10·96
	26	13·42	14·20	15·51	16·30	14·99	12·90	11·33	9·79	8·76	9·20	10·33	11·64
	27	12·68	13·42	15·09	16·14	15·61	13·94	11·90	9·24	8·24	8·60	9·24	11·33
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	14·04	14·20	15·87	16·04	14 57	12.37	10·28	7·67	7·14	7·67	8·71	10·74
	30												
	31	13·42	13·94	14·99	16·24	15·51	13·42	11·33	9·76	9·50	10·17	11·33	12·16

SMALL DECLINATION MAGNETOMETER.

Date. Göttingen Mean Time.		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
SEPTEMBER, 1846.	1	12′90	13′42	14′47	14′99	14′47	12′90	11′85	10′81	9′76	10′86	12′05	12′92
	2	13·42	13·42	14·93	15·51	14·52	12·63	10·89	9·79	10·02	11·38	12·42	13·42
	3	13·42	13·94	14·99	15·51	14·47	12·90	11·33	10·28	9·76	11·43	12·45	13·91
	4	13·21	13·83	14·99	15·51	14·47	12·37	9·76	8·45	8·71	10·22	12·37	13·47
	5												
	6	13·42	13 94	16·04	16·56	15·51	13·08	10·81	9·50	9·47	10·22	11·69	13·00
	7	12·90	13·88	16·50	17·60	17·08	14·99	11·85	10·81	10·28	10·81	11·69	13·94
	8	13·42	14·47	16·56	17·08	16·56	14·99	11·85	10·28	9·24	9·44	11·33	13·47
	9	12·90	13·68	16·04	17·18	16·61	14·47	11·33	9·76	8·19	9·24	10·81	12·95
	10	11·43	13·42	14·99	16·56	16·30	13·99	11·33	9·76	8·79	9·29	10·48	11·95
	11	12·90	13·16	14·47	16·04	16′14	13·42	11·98	10·81	10·78	11·33	12·57	12·90
	12												
	13	13·42	13·68	14·83	16·04	14·99	13·42	10·81	10·20	10·81	11·12	12·31	13·42
	14	13·36	13·88	15·09	14·99	13·47	12·90	11·85	11·33	10·91	11·38	12·68	13·42
	15	13·42	13·94	14·99	15·92	15·51	13·94	12·31	10·74	9·76	9·44	10·81	12·37
	16	12·83	12·90	13·94	15·45	15·51	14·99	13·42	11·43	10·81	11·81	12·37	13·42
	17	12·90	12·90	14·47	15·09	13·94	12·37	10·28	9·24	10·28	11·79	12·42	13·62
	18	13·00	13·42	14·99	15·25	14·35	12·11	10·69	9·50	9·17	10·28	11·85	12·90
	19												
	20	13·05	13·42	15·09	15·51	14·99	13·36	11·95	10·28	9·50	10·69	11·85	12·42
	21	14·14	13·99	16·04	17·34	16·04	14·47	11·33	8·71	9·24	10·69	12 37	13·42
	22	11·85	12·90	14·35	14·57	13·94	12·90	10·91	9·91	9·76	9·86	11·12	12·37
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	13·94	14·25	15·61	16·45	14·47	12·37	10·81	9·24	9·24	10·17	12·00	13·00
	25	12·95	13·42	14·99	15·61	14·99	13·94	12·90	11·59	10·81	11·33	11·53	12·37
	26												
	27	13·94	13·88	14·83	15·56	16·45	14·07	12·37	11·33	10·81	11·22	12·47	13·52
	28	13·47	13·52	14·52	15·51	15·56	14·99	13·42	12·11	10·81	11·43	12·78	13·52
	29	13·42	13·42	14·09	14·35	13·83	12·95	12·08	11·22	10·81	11·85	12·26	12·90
	30	13·47	13·88	14·47	15·40	15·45	14·70	12·95	11·33	10·57	10·86	12·37	13·52
	31												

SMALL DECLINATION MAGNETOMETER.

Date.	Göttingen Mean Time.	Noon.	1ʰ	2ʰ	3ʰ	4ʰ	5ʰ	6ʰ	7ʰ	8ʰ	9ʰ	10ʰ	11ʰ
OCTOBER, 1846.	1	13′03	12′90	12′90	13′94	13′10	13′62	13′42	13′94	13′42	13′42	13′42	13′42
	2	13·78	12 42	12·78	13·42	13·31	13·16	13·94	13·16	13·94	13·00	13·94	13·42
	3												
	4	14·47	13·42	12·90	12·90	12·90	13·36	12 90	13·42	13·42	13·42	13·42	13·42
	5	14·47	13·16	12·90	12 90	13·42	12·90	12·90	12·90	12·90	12·90	12·95	12·95
	6	13·94	13·31	12·90	13·96	13·42	13·42	13·42	13·00	13·42	12·95	12·95	12·95
	7	13·94	12·42	12·78	13·94	13·83	13·55	13·94	13·94	13·42	13·42	13·88	13·47
	8	13·94	13·96	14·47	15·45	14·93	14·88	13·94	13·94	13·97	13·83	13·94	13·94
	9	13·78	13·36	12·83	12 95	13·16	13·16	13·47	13·42	13·88	13·00	12·95	13·00
	10												
	11	14·40	12·52	12·78	13·99	13·52	12·90	12·90	12·90	12·90	13·10	13·00	13·31
	12	14·20	14·47	13·94	13·68	13·00	12 90	12·95	13·42	13·42	13·42	13·31	12·90
	13	13·83	12·90	12·90	12·90	13·42	13·42	13·42	12·90	13·42	13·26	13·10	13·42
	14	13·94	13·00	12 83	12·83	12·78	12·90	12·63	12·90	12·90	12·83	12·90	12·83
	15	11·95	12·37	12 37	12·63	12·83	12·90	12·90	12·90	12·90	12·90	12·90	12·78
	16	12·52	11·95	12·37	12·90	12·90	12·90	12·90	12·90	12·90	12·83	12·90	12·68
	17												
	18	13·42	11·85	12·31	12·78	12·48	12·50	12·90	12·90	13·42	12·95	12·95	12·90
	19	13·00	12·37	12·47	12·47	12·90	13·42	13·42	13·47	13·42	13·31	12·95	13·10
	20	13·00	12·00	11·85	12·05	12·47	13·39	13·36	13·42	13·16	13·42	13·42	13·42
	21	13·10	12·78	12·78	12·90	12·83	12·90	12·90	13·42	13·42	13·31	—	—
	22	—	—	—	—	—	—	—	—	—	—	13·42	13·94
	23	13·42	12·90	12·68	12·83	12·83	12·90	12·90	12·90	12·90	12 95	12·95	12·90
	24												
	25	13·83	12·90	12·96	12·90	12·90	12 90	12·90	12·90	12·90	12·95	13·42	13·42
	26	12·37	11·90	12·37	12·42	12·42	12·90	12·90	12·90	13·36	12·95	12·95	12·90
	27	13·42	12·37	12·42	12·90	12·90	12·90	13·00	12·90	13·42	12·90	13·42	13·42
	28	12·68	12·37	12·37	12·90	12·90	12·90	12·90	12·90	12·90	13·16	12·90	12·90
	29	13·83	13·42	12·90	12·95	12·90	12·90	12·90	12·90	13·42	13·42	13·52	13·42
	30	12·90	13·16	13·52	12·90	12·90	12·90	12·90	12·90	12·90	13·05	12 90	12′90
	31												

SMALL DECLINATION MAGNETOMETER.

Date.	Göttingen Mean Time.	Noon.	1ʰ	2ʰ	3ʰ	4ʰ	5ʰ	6ʰ	7ʰ	8ʰ	9ʰ	10ʰ	11ʰ
NOVEMBER, 1846.	1	14′47	13′52	13′83	13′94	13′42	13′42	13′42	13′42	13′47	13′00	13′42	12′90
	2	14·47	14·35	14·47	13·42	13·42	13·94	13·42	13·42	13·42	13·42	12·78	13·00
	3	13·42	12·90	13·42	13·73	12·90	12·90	12·90	12·90	12·90	12·90	12·63	12·37
	4	13·73	12·47	12·37	12·42	12·63	12·63	12·63	12·87	12·90	12·78	12·57	12·57
	5	13·36	12·37	12·37	12·68	12·68	12·37	12·63	12·90	12·90	12·78	12·68	11·37
	6	12·95	12·37	12·37	12·47	12·52	12·37	12·37	12·90	12·90	12·90	12·90	12·83
	7												
	8	13·42	12·90	12·90	13·60	13·10	12·90	12·90	12·93	12·90	12·90	12·90	12·90
	9	13 42	12·83	13·16	13·42	13·00	12·90	12·90	12·90	12·90	12·90	12·90	12·83
	10	13·83	13·46	13·42	13·48	13·42	12·90	12·90	13·16	12·90	12·95	12·90	12·90
	11	12·95	12·37	12·83	12·90	12·90	13·42	13·42	13·42	13·42	13·10	12·95	13·00
	12	12·57	12·78	12·78	12·90	12·90	12·99	12·90	13·36	13·36	13·05	12·90	12·90
	13	13·42	12·90	12·82	12·90	12·90	12·90	12·90	13·42	13·42	13·42	13·42	13·42
	14												
	15	13·94	13·26	12′90	12·90	12·90	12·90	12·90	12·90	12·90	12·90	13·50	12·90
	16	12·68	12·37	12·63	12·90	12·90	12·90	12·90	12·90	12·90	12·90	12·90	12·37
	17	12·90	12·78	13 56	13·73	13·05	12·90	14·40	17·08	17·02	15·45	15·04	13·99
	18	12·90	13·16	13·42	13·42	13·94	13·42	13·54	13·88	13·94	13·94	13·94	13·94
	19	13·00	13·00	13·42	13·42	13 42	13·16	13·42	13·42	13·42	13·42	13 21	13·42
	20	14·04	13·42	13·61	12·90	12·95	12·39	13·42	13·94	13·94	13·52	13·94	12·90
	21												
	22	13·42	12·90	13·70	13·63	12·90	12·90	12·90	13·42	13·42	13·00	12·95	12·90
	23	12·90	12·83	12·68	12·83	12·90	12·90	12·90	12·90	12·90	12·90	12·78	12·73
	24	13·36	12·99	12·90	12·95	12·95	12·90	12·90	12·90	12·90	12 90	12·83	12·57
	25	12·95	12·90	12·78	12·90	12·83	12·90	12·90	12·90	12·90	12·90	12·90	12·37
	26	12·78	12·37	12·47	12·90	14·47	14·47	15·51	14·47	13·42	13·42	12·37	12·90
	27	13·94	14·04	14·30	13·99	13·42	13·42	13·21	13·21	13·42	13·42	—	—
	28	—	—	—	—	—	—	—	—	—	—	12·83	12·90
	29												
	30	13·83	12·90	12·90	13·42	12·83	12·90	12 63	12·63	12·90	12·37	12·37	11·95
	31												

SMALL DECLINATION MAGNETOMETER.

Date.	Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
OCTOBER, 1846.	1	12'95	13'16	14'47	15'56	15·66	14'47	12'42	11'33	11'33	11'33	12'11	13'36
	2	13·42	13·62	13·94	15·61	15·51	14·47	13·42	12·37	11·62	11·85	12·90	13·42
	3												
	4	13·42	13·42	13·99	14·93	14·93	13·62	12·37	11·33	11·33	11·90	13·26	14·14
	5	12·90	13·00	14·47	16·04	16·56	14·99	12·90	11·07	10·28	11·33	12·73	13·94
	6	12·68	12·90	13·52	15·40	15·56	14·99	13·42	12·37	11·85	12·31	13·26	13·88
	7	13·02	12·83	13·42	14·35	14·04	13·47	13·94	12·90	12·37	13·68	13·83	13·42
	8	13·47	13·42	13·94	14·93	14·99	14·47	13·94	13·42	11·63	12·42	13·00	13·52
	9	12·31	11·85	12·37	13·94	14·47	13·42	12·90	12·34	11·59	12·26	12·05	12·47
	10												
	11	13·21	13·42	13·94	15·04	15·04	13·94	12·90	11·85	11·33	12·42	13·88	13·94
	12	12·90	13·00	13·94	15·35	15·61	14·62	13·94	12·90	11·85	11·85	12·90	13·78
	13	12·73	12·90	13·42	14·47	15·04	14·47	14·47	12·24	11·33	11·85	13·42	14·25
	14	12·42	12·37	13·00	13·78	13·83	13·42	12·90	11·88	10·81	11·07	11·85	12·11
	15	12·37	12·26	12·37	12·78	13·16	13·42	13·42	12 31	12·21	11·85	12·90	13·10
	16	12·68	12·37	12·42	13·94	14·93	13·94	12·90	11·85	11·85	12 90	13·42	13·42
	17												
	18	12·52	12·83	13·42	13·94	13·00	11·85	10·81	10·28	10·81	11·53	12·37	12.90
	19	12·90	13.42	12·90	13·94	13·42	14·47	13·42	12·37	11·85	12·37	13·00	13·42
	20	12·90	13·10	12·95	13·42	13·83	12·90	11·85	11·33	11·85	12·37	13·05	13·42
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	12·90	13·00	13·42	14·47	13·94	12·90	11·33	10·81	11·33	12·37	13·05	13·42
	23	12·90	12·83	13·42	14·47	14·47	13·42	11·85	10·94	11·33	11·74	12·37	13·00
	24												
	25	12·90	13·42	13·57	14·47	13·83	12·37	11·46	10·81	10·81	11·53	12·37	12·83
	26	12·68	12·78	12·90	13·99	13·68	12·90	12·63	12·37	12·37	12·90	13·36	13·42
	27	13·42	13·42	13·68	14·30	13·16	12·26	11·33	10·81	11·33	11·85	12·57	12·90
	28	12·95	12·95	13·36	14·47	14·40	13·42	12·35	11·85	11·85	13·36	13·99	13·83
	29	13·00	12·90	13·42	13·94	13·68	12·90	11·98	11·33	12·37	12·95	13·88	13·73
	30	12·95	12 90	12·90	14·47	14·47	13·29	11·85	10·81	10·81	11·90	12·78	13·42
	31												

SMALL DECLINATION MAGNETOMETER.

Date.	Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
NOVEMBER, 1846.	1	12'90	12'98	12'90	13'42	14'47	13'94	12'90	10'86	11'33	12'26	13'83	14'47
	2	12·68	12·90	13·00	13·68	13·94	12·95	11·85	11·27	11·33	12·47	13·52	13·88
	3	12·37	12·90	12·90	13·52	13·94	12·90	11·46	10·81	11·33	12·90	13·62	13·94
	4	12·47	12·78	12·68	13 52	14·47	13·94	12·37	11·33	11·33	12·37	12·90	13·42
	5	12·37	12·42	12·37	13·16	13·68	13·42	12 37	10·81	10·28	11·38	12·42	12·95
	6	12·47	12·47	12·37	12·95	14·04	12·90	11·33	10·28	10·81	11·85	13·31	13·83
	7												
	8	12·90	12·73	12·37	13·26	14·09	14·40	13·42	12·90	13·42	13·94	13·83	13·83
	9	12·78	12·57	12·47	13·00	14·35	14·47	13·42	12·37	12·37	13·42	13·94	14·04
	10	12·90	12·37	12·37	12·57	13·42	13·42	12·37	11·48	11·33	12·05	12·37	12·95
	11	12·57	12·37	12·37	12·52	13·21	13·42	13·42	11.85	11·85	11·74	12·21	12·37
	12	12·52	12·37	11·59	11·71	12·47	12·63	11·85	11·33	11·85	11·90	12·57	12·95
	13	13·00	12·83	12·37	12·42	12·36	14·47	14·47	14·47	14·47	14·57	14·57	15·25
	14												
	15	12·90	12·90	12·47	12·78	13·05	13·42	13·42	12·90	12·90	12·90	12·90	12·68
	16	12·26	12·37	11·85	12·31	13·31	13·94	12·90	11·85	11·85	12·37	12·37	12·68
	17	13·52	12·90	13·31	12·37	12·37	13·94	14·47	13·42	13·16	13·94	13·42	13·94
	18	13·57	13·16	13·00	13·42	13·99	13·94	14·04	12·90	12·90	12·90	13·52	13·42
	19	12·78	12·11	12·00	12·04	13·34	13·42	12·90	12·37	11·85	13·21	13·94	14.52
	20	13·62	—	12·83	12·31	12·26	11·85	11·33	11·33	12·37	12·90	13·88	13·73
	21												
	22	12·78	12·78	12·37	12 42	12·42	12·37	12·37	11·85	12·37	12·95	13·26	12·95
	23	12·42	12 37	11·95	11·74	12·99	11·69	11·85	11·85	12·16	12·05	12·37	12·83
	24	12·37	12·37	11.85	12·00	12·26	12·37	11·88	11·85	11·85	12·31	12·37	12·78
	25	12·26	12·05	11.59	11·74	12·37	12·37	12·37	11·85	11·85	11·69	12·21	12·37
	26	12·90	12·83	12·37	11·85	12·26	12·90	12·90	11·85	12·63	13·42	13·73	13·94
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	11·85	11·85	11·85	12·26	12·83	12·90	12·90	12·90	12·90	13·88	14·35	13·88
	29												
	30	11·74	11·27	11·07	11·33	11·85	12·90	12·90	12·90	12·90	13·21	13·42	13·21
	31												

Date. Göttingen Mean Time.		SMALL DECLINATION MAGNETOMETER.											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
DECEMBER, 1846.	1	12′78	12′05	12′90	12′90	12′47	12′37	12′37	12′37	12′90	12′47	12′37	12′11
	2	12·37	12·37	12·90	12·90	12·90	12·90	12·90	12·90	12·90	12·90	12·47	12·37
	3	12·37	12·37	12·78	12·47	12·37	12·37	12·37	12·37	12·37	12·37	12·37	12·37
	4	12·83	12·37	12·37	12·73	12·90	12·90	12·90	13·29	13·42	12·90	12·57	12·37
	5												
	6	12·78	12·90	12·63	12·63	12·37	12·37	12·37	12·37	12·37	12·42	12·37	12·37
	7	12·90	12·90	12·90	12·78	12·42	12·37	12·37	12·63	12·90	12·68	12·47	12·42
	8	13·42	12·78	12·37	12·37	12·37	12·37	12·37	12·37	12·37	12·37	12·31	12·00
	9	12·73	12·31	12·37	12·37	12·31	12·37	12·37	12·37	12·37	12·26	11·85	11·85
	10	12·57	12·95	12·83	12·47	12·37	18·83	12·63	12·37	12·37	12·37	12·26	12·37
	11	13·47	12·90	12·68	13·36	12·83	12·37	12·37	12·37	12·37	12·00	12·26	12·11
	12												
	13	13·42	12·95	13·42	13·68	13·42	13·42	13·94	13·94	13·94	13·94	13·83	13·94
	14	14·40	13·83	14·04	14·20	14·04	13·94	14·40	14·20	14·20	14·47	14·35	13·94
	15	12·90	12·37	12·47	12·63	12·73	12·90	12·90	12·90	12·90	12·83	12·78	12·90
	16	12·95	12·90	12·83	12·90	12·78	12·90	12·90	12·90	12·95	12·90	13·10	12·90
	17	12·90	12·63	12·90	12·90	12·90	12·90	12.90	12·90	12·90	13·00	13·36	12·90
	18	12·68	12·47	12·90	12·90	12·90	12·98	13·16	13·45	13·42	13·36	13·42	13·42
	19												
	20	13·42	13·42	13·31	13·42	13·42	13·42	13·42	13·42	13·42	13·00	12·90	12·83
	21	13·94	13·31	13·42	13·42	13·16	13·42	13·42	13·42	12·90	13·00	12·90	12·90
	22	14·35	13·42	13·42	13·42	12·95	13·42	13·42	13·42	13·36	13·26	13·26	13·42
	23	14·52	13·42	13·94	13·42	13·94	14·47	13·94	13·94	13·94	13·42	—	—
	24	—	—	—	—	—	—	—	—	—	—	13·42	13·31
	25	14·47	13·94	14·04	14·47	14·99	14·20	13.94	13·94	13·42	13·42	13·73	13·42
	26												
	27	13·94	14·40	13·94	13·94	13·94	13·94	13·94	13·94	13·94	13·91	13·31	13·00
	28	13·94	13·94	14·47	14·67	13·94	13·94	13·42	13·42	13·42	13·42	13·42	13·21
	29	13·52	13·42	13·68	13·57	13·68	13·94	13·94	13·94	13·47	13·83	13·42	13·42
	30	13·94	13·94	14·20	14·35	14·47	13·94	14·47	14·47	13·94	13·94	13·83	13·52
	31	14·40	14·47	14·47	14·47	14·47	14·47	14·47	14·20	13·94	13·94	13·94	13·88

Date.	Göttingen Mean Time.	SMALL DECLINATION MAGNETOMETER.											
		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
DECEMBER, 1846.	1	11′·95	11′·43	11′·33	11′·59	12′·31	13′·16	13′·16	12′·90	11′·85	11′·85	12′·37	12′·90
	2	11·95	11·85	11·90	12·05	12·78	13·42	12·93	12·37	11·85	12·31	12·42	12·37
	3	12·26	11·85	11·85	11·33	12·26	12·50	12·63	12·37	12·90	13·42	14·04	13·42
	4	11·95	11·33	11·07	10·54	11·38	12·86	13·42	13·42	13·47	13·73	12·90	12·26
	5												
	6	12·26	11·85	11·85	12·00	12·90	13·42	13·68	12·83	11·85	12·31	12·57	12·47
	7	12·37	12·31	12·31	12·37	12·90	13·36	13·42	12·63	11·85	12·21	12·90	13·42
	8	11·79	11·79	11·85	11·43	12·11	12·90	12·14	11·07	11·04	11·59	11·59	12·37
	9	12·37	12·11	11·33	11·38	12·37	12·90	12·90	12·45	18·40	12·68	11·95	11·95
	10	12·16	11·90	11·85	11·83	12·31	12·98	13·42	13·94	13·68	13·88	13·47	13·21
	11	11·85	11·43	10·81	10·43	11·33	12·90	12·90	12·31	12·31	11·85	13·42	13·16
	12												
	13	13·42	13·42	13·90	12·37	13·68	15·25	15·51	14·86	14·99	14·14	13·83	14·04
	14	13·99	13·52	12·42	12·90	13·94	14·99	14·99	15·51	15·71	15·14	12·73	12·47
	15	12·47	12·26	11·85	12·37	12·90	13·68	13·68	13·42	12·90	12·90	12·73	12·90
	16	12·90	12·37	12·37	12·16	12·83	13·42	13·42	12·90	12·37	12·37	12·47	13·42
	17	12·42	12·37	11·85	12·11	12·90	13·36	12·76	12·11	11·85	12·26	12·68	12·90
	18	13·00	12·90	12·42	12·37	13·00	13·42	13·42	13·42	13·42	13·42	13·42	13·42
	19												
	20	12·42	12·37	12·37	12·37	12·90	12·90	12·40	12·37	12·90	13·42	14·04	14·47
	21	12·90	12·83	12·90	12·78	12·83	12·90	12·90	12·37	12·45	12·90	13·52	14·14
	22	13·00	12·37	12·37	12·90	13·16	13·94	13·94	13·42	13·94	14·47	14·99	14·93
	23	—	—	—	—	—	—	—	—	—	—	—	
	24	12·90	12·90	12·90	12·90	13·83	13·94	13·16	13·29	13·16	13·42	13·42	13·99
	25	13·42	13·42	13·42	12·95	13·42	13·94	13·42	11·88	12·37	12·83	13·83	14·09
	26												
	27	12·90	12·37	12·42	12·37	13·00	13·94	13·42	13·55	13·42	12·73	12·90	13·42
	28	12·90	12·63	12·63	12·90	14·04	14·99	15·51	14·73	13·47	13·52	13·94	13·52
	29	12·90	12·63	12·37	12·50	13·42	13·94	14·57	14·47	13·94	13·94	13·94	13·62
	30	13·42	13·42	13·16	13·31	13·52	14·47	14·99	14·99	13·94	14·25	14·88	14·47
	31	13·60	13·47	13·42	13·73	14·30	14·99	14·73	13·68	13·94	13·94	13·94	13·94

LARGE HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
JANUARY, 1846	1	26·340	26·105	26·210	26·230	26·300	26·360	26·450	26·370	26·350	26·455	26·620	26·490
	2	25·857	25·815	25·815	25·930	26·100	26·285	26·415	26·515	26·477	26·472	26·425	26·567
	3												
	4	25·990	25·960	26·002	26·090	26·110	26·052	26·165	26·162	26·162	26·265	26·340	26·387
	5	26·155	26·250	26·255	26·300	26·412	26·510	26·625	26·680	26·762	26·782	26·960	26·930
	6	26·242	26·290	26·397	26·485	26·437	26·450	26·640	26·792	26·847	26·902	26·950	27·027
	7	26·147	26·390	26·390	26·575	26·550	26·700	27·087	26·705	26·835	26·610	26·780	26·895
	8	25·935	25·990	25·835	26·045	26·275	26·642	26·660	26·625	26·757	26·975	26·802	26·812
	9	26·370	26·420	26·505	26·725	26·685	26·770	26·880	27·025	27·000	27·037	27·025	27·047
	10												
	11	26·682	26·557	26·597	26·550	26·665	26·712	26·807	26·857	26·865	26·870	27·105	27·085
	12	25·940	25·530	25·782	25·995	26·042	26·275	26·355	26·582	26·570	26·560	26·630	26·750
	13	26·104	26·200	26·152	26·285	26·355	26·512	26·677	26·695	26·757	26·985	26·855	27·490
	14	25·300	25·355	25·552	25·772	25·992	26·095	25·975	26·162	26·042	26·092	26·430	26·460
	15	26·680	26·510	25·597	25·975	26·030	26·207	26·455	26·252	26·265	26·440	26·505	26·520
	16	25·772	25·902	25·810	26·037	26·202	26·267	26·375	26·305	26·527	26·920	26·690	26·645
	17												
	18	25·897	25·847	26·000	26·200	26·075	26·110	26·337	26·455	26·400	26·695	26·465	26·540
	19	25·930	25·907	26·057	26·302	26·415	26·437	26·420	26·615	26·510	26·545	26·715	26·745
	20	26·085	25·990	26·207	26·225	26·247	26·400	26·430	26·490	26·585	26·575	26·717	26·890
	21	26·432	26·620	26·575	26·677	26.632	26·560	26·710	26·750	26·780	26·720	26·900	26·950
	22	26·315	26·417	26·565	26·450	26·525	26·580	26·800	26·772	27·125	27·080	27·245	27·475
	23	26·535	26·427	26·455	26·487	26·575	26·625	26·905	26·882	27·005	27·335	27·635	26·965
	24												
	25	26·200	26·295	26·400	26·412	26·480	26·447	26·442	26·617	26·697	26·940	27·065	27·050
	26	26·270	26·455	26·575	26·715	26·595	26·667	26·775	26·880	27·050	27·015	26·985	27·020
	27	26·900	26·845	26·745	26·775	26·727	26·570	26·880	27·055	27·205	27·207	27·355	27·435
	28	26·210	25·875	25·925	25·725	26·102	26·140	26·560	26·762	27·067	27·250	27·230	27·270
	29	26·485	26·455	26·670	26·620	26·602	26·617	26·827	27·065	27·050	27·245	27·440	27·285
	30	26·305	26·245	26·390	26·525	26·660	26·660	26·782	26·760	26·802	27·265	27·295	27·280
	31												

THERMOMETER OF LARGE HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
JANUARY, 1846.	1	81°·6	81°·0	80·0	79°·4	79·0	78°·7	78°·5	78°·5	78°·9	78°·4	78°·4	78°·2
	2	84·0	83·2	82·1	81·2	80·7	80·0	79·6	79·2	79·2	78·9	78·6	78·3
	3												
	4	84·0	83·0	81·7	80·4	79·9	79·6	79·3	79·2	79·1	78·4	78·2	77·9
	5	82·2	81·0	80·1	79·5	79·0	78·7	78·5	78·0	77·6	77·4	76·8	76·4
	6	81·5	80·2	79·2	79·0	78·8	78·3	77·9	77·5	77·3	76·9	76·3	76·2
	7	80·9	80·0	79·1	79·0	78·5	78·0	77·7	77·3	76·9	76·6	75·8	75·1
	8	82·3	80·9	79·8	78·9	78·4	77·9	77·4	77·1	—	76·4	76·5	75·9
	9	80·5	79·5	78·5	77·8	77·4	77·0	76·7	76·4	76·0	75·9	75·8	75·3
	10												
	11	82·0	81·2	80·0	79·5	78·9	78·2	77·6	77·5	77·8	77·7	77·5	77·0
	12	82·0	81·0	80·0	79·5	79·0	78·4	78·1	77·4	77·4	77·8	77·5	77·0
	13	82·9	81·0	80·0	79·6	79·5	78·8	78·2	77·8	77·5	77·5	77·3	77·0
	14	84·2	83·5	82·3	81·1	80·5	80·2	80·0	79·6	79·2	79·0	78·8	78·7
	15	86·0	85·0	83·6	82·3	81·4	80·4	80·3	80·3	80·0	79·8	79·4	79·0
	16	84·7	84·0	82·3	81·2	80·9	80·2	80·0	79·6	79·2	79·0	78·1	77·9
	17												
	18	83·9	82·3	80·9	80·5	80·2	79·3	78·2	77·9	77·9	77·4	77·0	76·4
	19	83·0	82·2	80·7	80·0	79·6	78·9	78·0	77·8	77·6	77·3	77·0	76·7
	20	83·7	82·9	81·0	80·2	79·8	78·8	78·7	78·7	78·2	77·9	77·1	76·2
	21	82·0	80·6	79·7	79·0	78·9	78·5	77·9	77·6	77·2	76·9	76·4	75·8
	22	81·8	81·0	80·0	79·5	79·0	78·6	77·9	77·2	76·8	76·4	76·0	75·5
	23	82·5	81·6	80·6	79·8	79·4	78·9	78·2	77·7	77·5	77·0	76·8	76·7
	24												
	25	80·2	79·2	77·7	77·0	77·0	76·5	76·3	76·0	75·6	75·3	75·0	75·0
	26	80·0	79·0	78·0	77·4	77·1	76·9	76·2	75·5	75·4	75·9	75·8	75·0
	27	80·0	79·3	78·0	77·5	77·0	76·6	76·0	75·3	75·2	74·8	74.4	74·0
	28	80·9	80·0	78·7	78·0	77·5	77·0	76·4	75·8	75·6	75·7	75·2	75·0
	29	80·6	79.6	78·6	78·0	77·8	76·9	75·9	75·3	75·3	75·0	74·6	74·6
	30	81·8	80·5	79·0	78·4	77·9	77·1	76·8	76·4	75·8	75·8	75·5	75·1
	31												

LARGE HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
JANUARY, 1846.	1	26·500	26·590	26·650	26·845	27·040	27·075	27·020	26·900	26·605	26·170	25·980	25·882
	2	26·550	26 580	26·642	26·755	26·970	27·115	27·185	27·100	27·047	26·627	26·295	26·045
	3												
	4	26·455	26·625	26·705	26·745	26·940	26·945	26·840	26·845	26·647	26·345	26·310	26·300
	5	27·000	26·990	26·945	27·400	27·620	27·417	27·400	27·160	27·210	26·895	26·685	26·305
	6	26·980	27·080	26·970	27·190	27·325	27·340	27·210	26·945	26·797	26·620	26·437	26·055
	7	27·137	27·095	27·380	27·545	27·390	27·200	27·200	26·895	26·450	25·990	25·797	25·875
	8	27·027	27·070	27·100	27·435	27·550	27·352	27·202	27·142	26·850	26·592	26·475	26·415
	9	27·525	27·335	27·405	27·605	27·570	27·555	27·605	27·842	27 677	27·462	27·160	26·380
	10												
	11	27·125	27·175	24·700	27·625	27·752	27·977	27·900	27·732	27·565	27·295	26·505	26·235
	12	26·800	26·792	27·005	27·200	27·325	27·427	27·430	27·230	27·147	26·880	26·580	26·350
	13	27·230	27·055	27·227	27·225	27·312	27·262	26·967	27·085	26·802	26·460	26·100	25·850
	14	26·460	26·530	26·805	27·105	27·445	27·300	27·155	27·267	26·840	26·190	25·730	25·690
	15	26·625	26·900	27·000	27·452	27·092	27·500	27·020	26·842	26·630	26·250	26·050	25·945
	16	21·800	26·825	26·825	27·137	27·505	27·790	27·655	27·095	—	25·725	25·500	25·466
	17												
	18	26·670	27·080	27·050	27·265	27·465	27·750	27·470	26·967	26·605	26·345	26·260	26·090
	19	27·050	27·075	27·160	27·325	27·345	27·260	27·252	27·100	26·900	26·610	26·485	26·190
	20	27·095	27·290	27·337	27·317	27·477	27·310	27·170	27·100	26·900	26·892	26·700	26·510
	21	27·170	27·245	27·347	27·375	27·500	27·340	27·312	27·250	27·070	26·795	26·520	26·470
	22	27·490	27·475	27·812	27·665	27·605	27·547	27·410	27·545	27·485	27·260	26·850	26·550
	23	27·100	27·060	27·580	27·462	27·100	27·040	27·622	27·210	26·460	25·990	25·365	25·220
	24												
	25	27·075	27·067	27·175	26·937	27 507	27·772	27·620	27·490	27·155	26·960	26·665	26·445
	26	27·105	27·175	27·312	—	—	—	27·587	27·675	27·580	27·330	27·070	26·955
	27	27·585	27·912	28·087	—	—	—	27·655	27·300	26·925	26·910	26·630	26·280
	28	27·190	27·270	27·405	27·775	27·612	27·695	27·360	27·205	27·127	27·130	27·035	26·875
	29	27·375	27·630	27·742	27·937	27·915	28·375	28·072	27·512	26·987	26·670	26·530	26·410
	30	27·075	27·275	27·400	27·550	28·032	28·290	28·257	28·067	27·792	27·295	26·710	26·410
	31												

THERMOMETER OF LARGE HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
JANUARY, 1846.	1	78°·2	77·9	77°·6	77·5	78·2	80·0	81°·0	83·0	83°·5	83°·9	84°·2	84°·3
	2	78·4	78·0	77·9	77·1	77·7	78·5	79·5	81·0	82·0	83·6	84·0	84·1
	3												
	4	77·4	77·6	77·0	76·9	77·7	79·0	80·3	81·0	82·0	82·9	82·9	82·7
	5	75·8	76·1	75·9	75·7	76·1	77·7	78·8	79·8	80·0	80·6	81·0	81·5
	6	76·1	75·1	75·1	74·4	75·6	77·6	79·0	80·0	80·8	81·2	81·5	81·4
	7	74·4	74·0	73·4	73·0	75·0	76·7	78·5	80·0	81·8	82·3	82·8	82·9
	8	75·2	75·7	74·9	73·8	74·8	77·0	78·5	80·0	80·5	80·8	81·0	80·9
	9	74·8	74·0	73·0	73·0	74·6	76·5	77·9	79·0	79·5	80·0	80·7	81·0
	10												
	11	76·6	76·0	75·7	75·2	76·5	77·9	79·1	80·4	81·0	81·3	81·9	82·2
	12	76·7	76·5	75·7	75·0	76·5	77·9	79·9	81·4	82·9	83·0	83·2	83·3
	13	77·0	76·5	76·3	76·0	77·0	78·9	80·5	82·2	83·7	84·7	84·9	84·8
	14	78·0	77·7	77·5	77·2	77·6	79·8	81·1	82·7	84·0	85·0	85·6	86·0
	15	78·7	78·4	78·0	77·5	78·4	79·5	81·2	83·0	83·3	83·6	84·0	84·7
	16	77·5	77·0	76·7	76·3	77·1	78·9	80·8	82·2	—	83·7	84·0	84·2
	17												
	18	75·9	75·7	75·5	75·0	76·0	78·5	80 9	82·3	83·3	83·6	83 3	83·2
	19	76·0	76·0	76·0	76·0	77·0	78·5	80·3	82·1	83·1	83·7	83·8	83·9
	20	75·9	75·5	75·5	75·1	76·6	78·4	80·0	80·6	81·2	82·0	82·9	83·0
	21	75·6	75·0	75·5	75·4	76·2	77·9	79·2	80·5	81·7	82·0	82·2	82·0
	22	75·4	75·7	75·0	74·5	76·0	78·5	80·0	81·1	82·2	82·7	82·9	82·9
	23	76·0	75·6	74·9	75·0	76·1	77·5	78·9	79·4	80·0	80·6	80·9	80·8
	24												
	25	75·0	75·0	74·5	73·7	74·7	75·6	77·7	78·4	79·6	80·5	80·9	80·8
	26	74·8	74·0	73·5	—	—	—	77·9	78·8	79·5	80·0	80·4	80·1
	27	73·9	73·2	72·6	—	—	—	78·5	79·9	80·5	81·0	81·7	81·2
	28	74·9	74·4	73·7	73·3	74·5	76·3	78·0	79·3	80·0	80·7	80·9	81·0
	29	74·0	74·0	73·3	72·8	73·5	76·1	78·9	81·0	81·2	81·9	82·0	82·1
	30	74·9	74·9	74·9	74·9	75·5	76·8	78·2	79·8	80·7	81·1	82·0	82·3
	31												

LARGE HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1ʰ	2ʰ	3ʰ	4ʰ	5ʰ	6ʰ	7ʰ	8ʰ	9ʰ	10ʰ	11ʰ
FEBRUARY, 1846.	1	26·105	25·920	26·295	26·160	26·105	26·250	26·200	26·435	26·620	26·552	26·600	26·705
	2	26·202	26·067	26·050	26·047	26·202	26·190	26·215	26·420	26·450	26·482	26·810	27·072
	3	11·212	11·342	11·377	11·367	11·530	11·645	11·790	11·977	12·072	12·090	12·230	12·290
	4	11·715	11·680	11·700	11·695	11·450	11·600	11·695	12·030	12·155	12·225	12·365	12·512
	5	11·657	11·640	11·680	11·655	11·740	11·735	11·977	12·225	12·255	12·187	12·317	12·300
	6	11·450	11·505	11·610	11·600	11·727	11·750	11·997	12·090	12·165	12·132	12·277	12·225
	7												
	8	11·950	11·807	11·977	12·125	12·222	12·175	12·160	12·200	12·280	12·355	12·367	13·342
	9	11·572	11·407	11·400	10·527	10·882	11·207	11·530	11·755	11 710	11·782	11·912	12·122
	10	11·932	11·700	12·652	12·330	12·102	11·950	12·095	11·880	12·225	12·400	12·245	12·360
	11	11·930	12·085	12 177	12·387	12·275	12·300	12·245	12·460	12·425	12·550	12·652	12·750
	12	11·725	11·775	11·987	12·405	12·475	12·700	12·930	13·120	13·190	13·252	13·547	13·602
	13	12·540	12·545	12·535	12·815	12·832	12·930	13·005	13·025	13·165	13·435	13·197	13·197
	14												
	15	12·200	12·000	12·415	12·347	12·882	12·625	12·715	12·755	13·007	13·152	13·212	13·350
	16	11·290	11·532	11·900	11·800	11·970	12·245	12·125	12·865	12·725	12·527	12·635	12·615
	17	11·170	11·325	11·447	11·727	11·742	11·935	12·005	12·130	12·075	12·722	12·405	12·240
	18	11·717	11·960	11·845	11·732	12·072	11·997	12·325	12·152	11·985	12·095	12·575	12·527
	19	11·797	11·890	12·032	12·057	12·050	12·175	12·300	12·480	12·437	12·532	12·617	12·635
	20	12·577	12·675	12·670	12·782	12·795	12·690	12·780	12·750	12·880	13·100	13·320	13·387
	21												
	22	12·850	12·887	12·877	12·950	13·022	12·975	12·995	13·310	13·275	13·427	13·605	13·747
	23	12·970	13·052	13·105	13·065	13·000	12·955	12·972	13·077	13·120	13·205	13·152	13·365
	24	12·797	12·845	12·977	12·950	12·935	12·900	12·895	12·970	13·020	13·067	13·185	13·227
	25	12·830	12·857	12·867	12·970	13·087	12·960	12·425	12·445	12·650	12·625	12·330	12·502
	26	12·797	12·820	12·840	12·595	12·292	12·395	12·335	12·255	12·395	12·505	12·625	13·047
	27	12·492	12·685	12·587	12·580	12·792	12·855	12·945	13·050	13·380	13·152	13·175	13·132
	28	12·900	12·855	12·800	12·850	12·900	12·940	13·100	13·210	13·340	13·272	13·300	13·295
	29												
	30												
	31												

THERMOMETER OF LARGE HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1ʰ	2ʰ	3ʰ	4ʰ	5ʰ	6ʰ	7ʰ	8ʰ	9ʰ	10ʰ	11ʰ
FEBRUARY, 1846.	1	82°·5	82°·0	8°08	80°·0	79°·9	79°·2	79°·0	78°·9	78°·3	77°·7	77°·3	77°·0
	2	82·5	82·0	80·7	79·8	79·4	78·9	78·7	78·2	77·8	77·2	76·9	76·4
	3	81·2	81·0	79·7	79·0	78·5	78·0	77·7	77·1	77·0	76·6	76·4	75·9
	4	82·5	81·4	80·5	80·0	79·5	79·0	78·7	77·8	77·1	77·0	76·9	76·3
	5	82·9	82·0	81·0	80·2	80·0	79·0	78·6	78·3	78·0	77·6	77·5	77·3
	6	85·0	84·0	82·7	81·9	81·0	80·3	79·6	79·1	79·1	78·9	78·6	78·2
	7												
	8	83·7	82·9	81·5	81·0	80·9	80·7	79·9	79·8	79·4	78·9	78·5	77·6
	9	82·3	81·6	80·4	79·8	79·5	79·0	78·9	78·9	78·8	78·6	78·2	77·7
	10	82·9	82·0	81·0	80·1	79·9	79·5	79·0	78·9	78·7	78·6	78·2	78·2
	11	82·0	81·0	80·5	79·5	79·3	79·0	78·8	78·6	78·3	78·1	77·9	77·8
	12	82·9	79·6	78·2	77·0	76·2	75·9	75·9	75·8	75·4	74·9	74·8	74·5
	13	80·4	79·6	78·0	77·2	76·7	76·4	76·3	76·1	75·9	75·8	75·3	75·2
	14												
	15	82·0	81·0	80·0	79·1	78·6	78·0	77·4	77·0	76·8	76·3	76·2	76·0
	16	84·8	83·5	82·1	81·3	81·0	80·8	80·1	80·1	79·5	78·9	78·9	78·5
	17	87·4	86·0	84·3	83·5	82·6	81·9	81·4	81·0	80·9	80·8	80·3	79·9
	18	85·7	84·5	83·2	82·6	82·0	81·8	81·5	81·0	80·6	80·2	79·9	79·2
	19	85·5	84·9	83·7	83·0	82·7	82·0	81·3	81·2	80·9	80·6	80·2	80·0
	20	83·7	83·0	82·2	81·8	81·5	81·0	80·5	80·1	79·4	78·8	78·3	78·2
	21												
	22	83·0	82·0	81·0	80·0	79·6	79·2	79·0	78·5	78·0	77·9	77·7	77·3
	23	82·0	81·6	80·4	79·8	79·6	79·1	79·0	79·0	78·9	78·7	78·5	78·2
	24	83·0	82·2	81·2	80·6	80·4	80·0	79·8	79·5	79·3	78·9	78·7	78·2
	25	82·7	82·0	81·0	80 0	79·7	79·1	79·0	78·7	78·3	77.9	77·7	77·5
	26	82·2	81·2	80·6	79·9	79·2	78·9	78·8	78·4	78·2	77·9	77·9	77·4
	27	82·7	82·0	81·0	80·0	79·7	79·3	79·0	78·9	78·5	78·3	77·9	77·8
	28	83·0	82·1	81·1	80·3	79·8	79·1	79·0	78·9	78·8	78·8	78·5	78·4
	29												
	30												
	31												

LARGE HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
FEBRUARY, 1846.	1	26·980	26·812	26·950	27·100	27·400	27·450	27·170	27·030	26·910	26·737	26·535	26·392
	2	27·055	27·075	27·132	27·137	27·132	27·125	27·120	—	—	11·437*	11·727	11·215
	3	12·495	12·640	12·750	12·780	12·692	12·795	12·760	12·650	12·520	12·270	12·075	11·855
	4	12·562	12·600	12·980	12·842	12·750	12·715	12·540	12·455	12·265	12·112	11·980	11·830
	5	12.500	12·775	12·825	12·942	12·885	12·820	12·530	12·340	12·100	11·790	11·640	11·480
	6	12·525	12·555	12·825	13·252	13·220	13·050	12·630	12·430	12·070	11·500	11·160	11·220
	7												
	8	13·382	13·727	13·860	14·145	14·255	14·195	14·015	13·655	13·010	12·115	10·905	11·457
	9	12·177	12·450	12·670	13·382	12·752	12·785	12·730	12·610	12·360	12·120	11.925	11·810
	10	12·500	12·695	12·665	12·825	13·005	13·295	13·335	13·315	12·950	12·677	12·272	12·080
	11	12·907	12·950	13·052	13·250	13·450	13·565	13·605	13·670	10·890	12·130	12·285	12·037
	12	13·357	13·415	13·615	13·380	13·455	13·575	13·705	13·795	13·675	13·432	13·005	12·670
	13	13·100	13·330	13·370	13·405	13·720	14·020	14·125	14·000	13·840	13·530	12·957	12·695
	14												
	15	13·432	13·275	13·385	13·285	13·295	13·340	13·380	12·995	12·737	12·445	12·140	11·735
	16	12·837	12·620	12·530	12·660	12·762	12·965	12·950	12·775	12·530	12·032	11·595	11·300
	17	12·222	12·380	12·650	12·645	13·015	13·230	13·140	12 920	12·720	12·325	12·040	11·850
	18	12·595	12·670	12·807	12·950	13·067	13·265	13·250	13·300	13·055	12·725	12·302	11·980
	19	12·755	12·840	13·002	13·152	13·427	13·770	13·845	13·058	13·265	13·017	12·755	12·617
	20	13·260	13·225	13·102	13·260	13·455	13·722	13·940	13·810	13·585	13·170	12·860	12·655
	21												
	22	13·667	13·695	13·845	13·970	13·960	14·150	14·190	14·275	14·230	13·855	13·635	13·200
	23	13·610	13·590	13·547	13·450	13·605	13·895	14·115	14·080	13·945	13·647	13·325	13·050
	24	13·292	13·352	13·382	13·420	13·527	13·605	13·655	13·550	13·440	13·315	13·150	12·982
	25	12·575	12·557	12·990	13·170	13·300	13·790	11·[illegible]00	13·365	13·307	12·960	12·965	21·750
	26	12·925	13·040	13·030	13·215	13·250	13·465	13·545	13·500	13·190	13·047	12·692	12·590
	27	13·200	13·215	13·237	13·390	13·645	13·670	14·010	14·150	13·950	13·675	13·405	13·087
	28	13·312	13·370	13·425	13·615	13·905	14·325	14·250	13·840	13·677	13·100	12·997	12·810
	29												
	30												
	31												

THERMOMETER OF LARGE HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
FEBRUARY, 1846.	1	76°·6	76°·5	76°·0	76°·0	76°·8	78°·5	80°·0	81°·0	81·0	81°·9	82°·3	82°·5
	2	76·2	76·0	75·7	75·3	76·0	77·1	78·6	—	—	80·4	80·8	81·0
	3	75·3	75·6	75·2	75·0	75·4	76·9	78·5	80·0	80·9	81·3	82·0	82·3
	4	75·9	76·0	76·0	75·3	76·5	78·2	79·9	81·0	82·0	82·3	82·9	83·1
	5	76·6	76·2	76·0	76·0	77·0	79·2	81·0	82·7	84·8	84·9	85·3	85·4
	6	77·9	77·2	77·2	77·0	78·0	79·9	81·8	83·0	85·0	87·0	85·6	85·3
	7												
	8	77·0	77·0	77·2	77·0	77·7	78·8	80·1	81·2	82·0	82·6	82·9	82·9
	9	77·6	77·5	77·0	77·0	77·9	79·4	80·8	82·0	82·4	82·9	82·9	83·0
	10	78·0	78·0	77·9	77·7	77 7	79·7	80·4	81·1	81·9	82·2	82·3	82·3
	11	77·4	77·3	77·0	77·0	77·7	79·2	80·7	81·2	87·3	83·4	82·1	81·6
	12	74·4	74·2	73·9	73·8	74·9	76·0	77·7	79·0	79·8	79·9	80·3	80·5
	13	75·0	75·0	74·6	74·2	75·3	77·0	78·6	79·7	80·0	80·4	80·8	80·9
	14												
	15	76·0	76·0	75·6	75·2	75 5	77·2	79·4	81·7	83·9	85·4	86·4	86·3
	16	78·4	78·4	78·2	78·0	79·3	81·2	83·4	85·1	87·0	87·5	87·9	88·9
	17	79·7	79·3	79·0	79·0	80·0	81·8	83·7	85·8	86·8	87·4	86·9	86·4
	18	79·4	79·2	78·5	78·0	79·0	81·0	82·1	83·3	84·4	85·2	85·6	85·9
	19	79·5	79·2	78·6	78·0	78·2	80·1	81·7	83·0	83·7	83·8	83·9	83·9
	20	77·9	77·8	77·5	77·2	78·0	79·4	81·1	82·0	82·6	82·8	82·8	83·0
	21												
	22	77·0	76·9	76·8	76·7	77·2	79·0	80·7	81·0	81·1	81·3	82·0	82·0
	23	77·9	77·7	77·7	77·7	78·7	80·0	81·6	82·2	82·3	82·9	83·2	83·2
	24	78·4	78·0	78·0	78·0	78·6	80·2	81·8	82·8	82·8	82·9	82·9	83·0
	25	77·3	77·1	77·0	77·0	77·9	79·3	80·9	81·8	81·8	82·2	82·4	82·4
	26	77·4	77·0	79·0	76·9	77·5	79·1	80·8	81·9	92·4	82·4	82·7	82·8
	27	77·5	77·5	77·0	76·9	77·6	79·2	80·7	81·9	82·0	82·3	82·6	83·0
	28	78·2	77·8	77·0	76·7	77·8	79·0	80·8	82·0	82·3	82·5	83·0	83·2
	29												
	30												
	31												

* Note—Instrument altered.

Date.	Göttingen Mean Time.	LARGE HORIZONTAL FORCE MAGNETOMETER.											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
MARCH, 1846.	1												
	2	13·120	13·100	13.060	12·927	12·755	13·350	13·202	13·195	13·200	13·240	13·325	13·305
	3	13·140	13·052	12·967	12·897	12·875	13·100	13·002	13·087	13·135	13·115	13·210	13·330
	4	13·060	12·972	12·870	12·897	12·910	13·050	13·005	13·025	13·117	13·350	13·490	13·467
	5	12·860	13·002	13·062	13·112	13·370	13·482	13·415	13·462	13·500	13·550	13·570	13·650
	6	13·190	13·282	13·237	13·335	13·330	13·317	13·307	13·295	13·252	13·400	13·522	13·585
	7												
	8	13·380	13·267	13·122	13·180	13·135	13·140	13·325	13·567	13·740	13·810	13·940	14·025
	9	13·170	13·100	13·065	13·050	13·150	—	12·602	12·872	13·040	13·175	13·345	13·475
	10	13·200	13·195	13·125	13·010	12·847	12·700	12·835	12·950	13·090	13·137	13·175	13·250
	11	13·017	13·027	12·990	13·045	13·065	12·920	12·820	12·860	12·835	13·420	13·322	13·402
	12	12·845	12·805	12·760	12·632	12·692	12·625	12·545	12·930	13·180	13·150	13·075	12·955
	13	13·515	12·232	11·387	10·810	10·470	10·575	11·325	11·575	12·100	12·300	12·335	12·445
	14												
	15	12·220	12·500	12·402	12·415	12·560	12·855	12·502	13·122	12·855	13·290	13·245	12·880
	16	12·425	12·367	12·280	12·142	12·260	12·445	12·440	12·900	12·725	12·730	13·070	12·760
	17	12·155	11·432	11·010	11·405	11·860	12·387	12·500	12·550	12·512	12·830	13·225	12·955
	18	12·145	12·455	12·450	12·782	12·707	12·975	13·050	13·100	13·200	13·325	13·595	13·465
	19	12·870	12·745	12·835	12·790	12·800	12·810	12·785	12·990	13·030	13·080	13·255	13·271
	20	12·620	12·620	12·832	12·855	12·892	13·050	13·010	12·977	12·965	13·367	13·595	13·680
	21												
	22	12·910	12·870	12·862	12·822	12·872	12·827	12·810	12·810	12·775	12·900	12·985	13·020
	23	12·470	12·019	12·365	12·425	12·540	12·527	12·750	12·787	12·802	12·915	13·080	13·120
	24	11·960	11·965	12·122	11·920	12·120	12·105	12·050	12·252	12·305	12·435	12·475	12·545
	25	12·485	12·510	12·452	12·465	12·470	12·410	12·490	12·580	12·715	12·735	12·810	12·980
	26	11·945	12·160	11·975	11·830	12·225	12·157	12·252	12·110	12·462	12·510	12·510	12·700
	27	12·220	12·282	12·445	12·320	12·240	12·465	12·502	12·867	12·823	12·815	12·812	12·940
	28												
	29	12·490	12·535	12·702	12·790	12·847	12·862	12·725	12·857	13·030	13·105	13·045	13·050
	30	12·780	12·465	12·600	12·667	13·042	12·727	12·725	12·862	12·950	13·150	12·995	13·050
	31	12·800	12·750	12·850	12·815	12·902	12·815	12·947	12·935	13·165	13·170	13·110	13·177

Date.	Göttingen Mean Time.	THERMOMETER OF LARGE HORIZONTAL FORCE MAGNETOMETER.											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
MARCH, 1846.	1												
	2	82·0	81°·4	80°·4	80°·0	79°·6	79°·6	79°·9	79°·8	79°·7	79·6	79·3	78·7
	3	83·2	82·8	82·0	81·5	81·3	81·3	81·1	80·7	80·4	80·2	79·9	79·6
	4	83·0	82·5	81·6	81·0	80·8	80·9	80·5	89·1	80·0	79·5	79·0	79·0
	5	82·8	81·9	81·7	80·3	79·5	79·6	79·6	79·5	79·2	79·0	78·6	78·4
	6	82·8	82·0	81·4	81·2	80·8	80·7	80·7	80·3	80·1	79·8	79·3	79·0
	7												
	8	83·3	82·9	81·9	81·5	81·2	81·0	80·5	80·0	79·3	78·9	78·2	77·8
	9	83·6	83·0	82·3	81·8	81·4	—	82·0	81·2	80·8	79·9	79·4	78·9
	10	83·3	82·7	82·0	81·4	81·3	81·9	80·8	80·7	80·3	80·2	79·6	79·3
	11	83·7	82·7	81·6	81·0	80·9	80·7	80·7	80·2	80·0	79·5	79·2	78·9
	12	83·5	82·8	82·0	81·4	81·1	80·9	80·8	80·7	80·6	80·5	80·0	79·6
	13	82·8	82·0	81·0	80·4	80·2	80·0	79·7	79·4	79·3	78·9	78·7	78·2
	14												
	15	81·7	81·3	80·2	79·3	79·0	79·0	78·7	78·0	77·6	77·0	77·0	76·9
	16	83·3	82·3	81·3	80·8	80·3	80·0	79·8	78·5	79·3	78·9	78·3	78·7
	17	83·0	82·3	81·2	80·4	79·7	79·5	79·1	78·7	78·3	78·0	77·9	77·6
	18	81·9	81·2	80·0	79·0	78·6	78·2	78·0	77·8	77·4	77·3	77·2	77·0
	19	82·0	81·4	80·6	80·0	79·6	79·3	29·1	79·0	79·0	79·9	78·7	78·6
	20	82·7	82·0	81·1	80·6	70·2	80·0	79·5	47·9	79·0	78·6	78·0	77·9
	21												
	22	83·5	83·0	81·9	81·3	81·0	81·0	80·9	80·7	80·3	79·9	78·9	79·0
	23	86·0	85·9	84·9	83·9	83·5	83·7	83·0	82·1	81·7	81·3	81·0	81·0
	24	87·3	87·0	85·8	85·0	84·3	84·0	84·0	83·9	83·7	83·1	82·9	82·8
	25	86·7	85·9	85·0	84·5	84·2	84·0	83·7	83·5	83·3	82·9	82·8	82·8
	26	86·2	85·9	85·0	84·5	84·2	83·9	83·6	83·3	83·0	82·9	82·5	82·0
	27	86·0	85·2	84·0	83·4	83·0	83·0	82·5	82·2	81·9	81·8	81·4	81·0
	28												
	29	83·0	83·0	82·2	81·8	81·4	81·0	80·9	80·6	80·8	80·9	80·6	80·1
	30	84·5	83·7	82·8	82·2	82·0	82·0	81·6	81·0	81·0	80·7	80·6	80·3
	31	85·1	84·8	83·7	83·0	82·8	82·5	82·0	81·8	81·5	81·2	81·0	80·9

LARGE HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
MARCH, 1846.	1												
	2	13·400	13·447	13·467	13·650	13·797	13·945	14·095	14·070	14·090	13·900	13·620	13·275
	3	13·315	13·442	13·450	13.390	13·552	13·845	13·640	13·787	13·732	13·390	13·200	13·065
	4	13·565	13·632	13·657	13·777	13·860	13·800	13·800	13·665	13·357	13·095	12·940	12·885
	5	13·690	13·700	13·725	13·787	13·800	14·015	14·052	14·100	13·952	13·645	13·235	13·220
	6	13·655	13·742	13·785	14·000	14·155	14·410	14·595	14·612	14·405	13·990	13·575	13·305
	7												
	8	14·085	14·017	14·080	14·065	14·102	14·255	14·350	14.305	14·047	13·745	13·465	13·245
	9	13·635	13·607	13·865	14·155	14·372	14·452	14·482	14·390	14·212	14·105	13·700	13·460
	10	13·435	13·600	13·597	13·727	14·075	14·545	14·720	14·640	14·395	13·940	13·502	13·262
	11	13·515	13·637	13·667	13·550	13 855	14·040	14·260	14·060	14·140	13·715	13·355	12·855
	12	13·120	13·180	13·287	13·552	13·845	14·227	14·420	14·265	13·700	13·570	13·340	13·650
	13	12·500	12·495	12·627	12 910	13·120	13 395	13·725	13·375	12·690	12·650	12·120	12·050
	14												
	15	13·035	13·205	13·085	13·537	13·805	14·175	13·990	13·750	13·400	13·050	12·750	12·475
	16	12·920	12·950	12·945	13·230	13·502	13·517	13·725	13·627	13·345	12·910	12·815	12·465
	17	13·000	13·070	13·132	13·292	13·452	13·475	13·810	13·675	13·412	13·200	13·110	12·400
	18	13·630	13·640	13·537	13·457	14·075	14·320	14·500	14·260	14·050	13·655	13·345	13·010
	19	13·320	13·330	13·262	13·387	13·645	14·000	14·125	14·200	14·125	13·770	13·265	12·780
	20	13·640	13·655	13·605	13·660	14·000	13·970	14·225	14·185	13·850	13·510	13·255	12·960
	21												
	22	13·430	12·455	13·505	13·662	13·772	13·810	14·000	13·875	13·590	13·290	13·065	12·750
	23	13·057	13·380	13·240	13·245	13·505	13·650	13·710	13·600	13·330	12·785	12·292	12·030
	24	12·700	12·620	12·830	12·987	13·272	13·540	13·885	13·840	13·675	13·270	13·042	12·647
	25	12·990	13·210	13·200	13·380	13·705	14·237	14·340	14·240	13·825	13·400	13·225	12·750
	26	12·565	12·757	12·695	12·757	12·820	13·150	13·630	13·650	13·300	13·150	12·900	12·400
	27	13·000	12·947	13·007	13·120	13·387	13·850	14·185	13·910	13·715	13·740	13·045	12·330
	28												
	29	13·095	13·170	13·290	13·530	13·900	14·247	14·630	14 535	14·345	13·987	13·500	13·047
	30	13·075	13·210	13·337	13·540	13·900	14·400	14·652	14·760	14·510	14·007	13·555	13·120
	31	13·455	13·355	13·335	13·275	13·527	14·132	14·570	14·455	14·095	13·722	13·450	13·050

THERMOMETER OF LARGE HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
MARCH, 1846	1												
	2	78°·1	77°·9	77°·6	77°·6	78°·0	80°·0	81°·2	81°·0	82°·1	82°·8	83°·1	83°·5
	3	79·1	79·0	79·0	78·8	79·3	80·3	81·5	82·0	82·7	83·0	83·2	83·2
	4	78·7	78·4	78·2	78·2	79·2	80·1	81·6	32·5	82·9	82·8	83·3	83·3
	5	78·1	77·9	77·3	77·5	78·5	80·0	81·0	82·0	82·3	82·6	83·0	83·0
	6	78·9	78·4	77·6	77·3	78·3	79·8	81·0	82·0	83·2	84·0	84·4	84·5
	7												
	8	77·7	77·5	77·9	77·9	79·1	81·0	82·0	82·8	83·0	83·2	83·5	83·8
	9	78·0	77·7	77·1	77·0	78·5	80·7	81·2	82·0	83·0	83·7	83·9	84·0
	10	79·0	78·8	78·2	78·4	79·6	81·8	83·1	84·0	84·5	84·5	84·4	84·2
	11	78·4	78·0	77·8	77·9	78·9	80·5	82·0	82·5	83·0	83·6	83·9	83·9
	12	79·0	78·4	78·1	78·0	79·3	80·9	81·9	82·0	82·9	83·0	83·0	83·0
	13	78·0	78·0	77·8	78·0	79·0	80·0	81·0	81·3	81·6	81·9	82·0	81·9
	14												
	15	76·4	76·3	75·4	75·0	76·3	78·0	80·2	82·7	83·2	84·2	84·3	84·0
	16	78·3	78·2	77·4	77·2	78·6	80·0	81·0	81·8	82·8	83·0	83·1	83·2
	17	77·2	77 2	77·0	76·9	77·9	79·0	80·2	80·8	81·0	81·7	82·0	82·0
	18	77·0	77·0	77·2	76·9	77·2	78·3	80·2	80·4	81·0	81·7	81·0	82·0
	19	78·4	78·0	77·5	77·3	78·5	80·1	81·3	81·8	82·1	82·7	82·0	83·0
	20	77·6	77·3	77·0	77·4	71·7	80·2	81·2	81·8	82·0	82·4	82·3	83·0
	21												
	22	78·6	78·5	77·7	77·5	78·9	81·0	83·0	84·2	84·9	85·5	85·8	86·0
	23	80·2	80·0	80·4	80·8	82·6	84·5	86·7	87·8	—	88·2	88·0	87·8
	24	82·3	82·3	82·0	81·9	82·8	84·0	85·2	86·1	86·3	86·7	87·0	87·0
	25	82·5	82·2	82·0	82·0	82·9	84·2	85·3	86·0	86·2	86·3	86·2	86·6
	26	82·0	82·0	81·7	81·8	82·6	83·7	85·0	85·8	86·1	86·0	86·4	86·6
	27	81·0	80·9	80·6	81·0	82·0	82·3	83·2	63·6	84·1	84·8	85·0	84·7
	28												
	29	79·9	79·4	79·0	79·0	80·1	81·0	82·7	83·5	83·9	84·0	84·0	84·0
	30	80·0	80·0	79·4	79·8	81·2	82·5	83·0	83·9	84·0	84·6	85·0	85·1
	31	80·7	80·3	80·2	80·7	81·3	82·0	82·7	83·0	84·0	84·4	84·7	84·9

Date. Göttingen Mean Time.		LARGE HORIZONTAL FORCE MAGNETOMETER.											
		Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
APRIL, 1846.	1	12·592	12·650	12·907	12·800	12·705	12·672	12·695	12·880	12·995	13·040	13·060	13·147
	2	13·037	12·802	12·640	12·672	13·012	13·130	13·275	13·332	13·460	13·580	13·607	13·760
	3	13·060	13·010	12·980	12·907	12·963	13·025	13·150	13·092	13·010	13·280	13·400	13·390
	4												
	5	12·810	12·795	12·805	12·875	12·855	13·025	13·000	13·040	12·992	13·030	13·287	13·280
	6	12·030	11·315	11·420	11·272	11·527	11·855	12·290	11·635	11·990	12·195	12·020	11·980
	7	11·795	11·807	11·830	12·012	12·372	12·177	12·220	12·720	12·427	12·457	12·545	12·577
	8	11·990	11·870	11·885	12·025	12 402	12·325	12·412	12·457	12·825	12·665	12·635	12.805
	9	12·530	12·300	12·360	12·410	12·462	12·477	12·545	12·655	12·750	12·870	13·020	13·010
	10	12·930	12·810	12·892	12·992	13·030	12·800	12·895	12·825	12·587	12·855	12·650	12·445
	11												
	12	12·197	12·092	12·152	12·172	12·322	12·595	12·227	12·295	12·227	12·285	12·325	12·200
	13	11·890	11·950	11·577	11·075	11·455	11·400	11·185	11·180	11·625	11·650	11·890	11·950
	14	11·205	10·532	10·452	10·905	11·140	11·082	11·270	11·255	11·155	11·455	11·745	11·645
	15	11·465	11·137	11·175	11·050	10·472	10·940	11·050	11·105	11·405	11·445	11·405	11·240
	16	9·520	9·760	10·045	9·470	9·467	11·190	9·982	10·405	10·422	10·550	10·835	10·850
	17	10·320	10·130	10·190	10·300	10·400	10·502	10·445	10·755	10·850	10·995	11·125	10·925
	18												
	19	9·310	9·390	9·452	9·497	9·462	9·480	8·925	8·762	8·850	8·785	8·735	8·905
	20	8·710	8·820	8·730	8 677	8·650	8·710	8·807	8·877	9·000	8·955	8·950	8·970
	21	9·010	8·920	9·037	8·992	8·395	8·690	8·850	8·650	8·705	8·737	8·780	8·860
	22	8·765	8·432	8·500	8·500	8·490	8·375	8·445	8·295	8·305	8·310	8·440	8·420
	23	8·505	8·520	8·470	8·370	8·427	8·445	8·550	8·535	8·565	8·775	8·700	8·805
	24	7·815	7 850	7·700	7·600	7·615	7·610	7·695	7·805	7·700	7·740	7·800	7·890
	25												
	26	7·415	7·255	7·280	7·400	7·312	7·100	7·055	7·300	7·372	7·955	8·210	8·605
	27	6·680	6·790	6·415	6·340	6·440	6·650	6·560	6·612	6·977	5·930	5·980	6·105
	28	6·185	6·140	5·957	5·700	6·305	6·422	5·730	5·912	5·905	5 852	5·870	5·890
	29	6·100	6·090	6·090	6·100	5·910	5·900	5·942	6·157	6·200	6·220	6·360	6·852
	30	5·025	4·955	4·895	4·895	5·095	4·857	4·705	4·800	4·890	4·990	5·000	5·070
	31												

Date. Göttingen Mean Time.		THERMOMETER OF LARGE HORIZONTAL FORCE MAGNETOMETER.											
		Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
APRIL, 1846.	1	84°·9	84°·3	83°·2	82°·8	82°·5	82°·1	82°·0	81°·7	81°·4	81°·0	80°·9	80°·7
	2	84·0	83·4	82·5	82·0	81·9	81·7	81·2	81·0	81·0	80·9	80·9	80·7
	3	84·9	84·4	83·5	82·8	82·3	82·0	82·0	81·6	81·2	81·0	80·9	80·7
	4												
	5	85·7	85·2	84·2	83·5	83·2	83·0	82·7	82·2	82·2	82·0	81·8	81·3
	6	85·8	85·2	83·8	83·2	82·9	82·7	82·4	82·0	81·8	81·5	81·0	80·8
	7	84·9	84·3	83·5	83·0	82·6	82·6	82·3	82·0	82·0	81·6	81·2	81·0
	8	85·6	85·0	84·2	83·5	83·0	83·0	82·5	82·0	82·0	81·4	81·0	81·0
	9	85·7	85·2	84·2	83·8	83·4	83·2	83·0	82·8	82·7	82·2	82·0	81·9
	10	85·1	84·8	83·6	83·2	82·9	83·0	82·9	82·7	82·6	82·1	81·9	81·8
	11												
	12	85·1	84·3	83·7	83·0	82·6	82·5	82·5	82·5	82·2	82·0	81·9	81·9
	13	86·0	85·9	85·2	84·4	84·0	84·0	83·9	83·5	83·1	83·2	83·3	83·2
	14	85·6	85·2	84·2	83·9	83·3	83·2	83·2	83·2	83·0	82·9	82·7	82·4
	15	85·6	85·2	84·3	84·2	83·8	83·4	83·2	83·0	82·7	82·3	82·0	82·0
	16	86·9	86·3	85·3	84·8	84·2	84·0	83·9	83·5	83·0	82·6	82·3	82·0
	17	86·6	86·2	85·2	84·5	84·0	83·7	83·5	83·0	82·8	82·2	82·2	82·0
	18												
	19	86·5	86·0	85·2	84·5	83·9	83·8	83·3	83·0	82·9	82·8	82·4	82·2
	20	86·1	85·5	84·8	84·0	83·8	83·8	83·5	83·0	82·5	82·0	81·6	81·4
	21	86·6	85·9	85·0	84·3	84·0	83·7	83·3	83·0	82·6	82·2	82·0	81·6
	22	87·9	87·9	87·0	86·6	86·3	86·2	86·0	85·8	85·1	84·7	84·7	84·0
	23	89·0	88·0	87·2	86·9	86·6	86·6	86·3	86·2	86·0	85·8	85·7	85·1
	24	89·9	89·1	88·3	88·0	87·9	87·5	87·3	87·2	87·0	86·9	86·6	86·2
	25												
	26	89·3	89·0	88·2	87·5	86·5	86·4	86·6	86·3	86·0	85·9	85·3	85·1
	27	89·9	89·2	88·0	87·2	87·0	86·6	86·7	86·5	86·0	85·5	85·3	85·0
	28	90·0	89·2	88·2	87·7	87·3	87·3	87·0	86·6	86·2	86·0	85·9	85·4
	29	88·1	87·8	86·8	86·2	86·0	85·8	85·7	85·2	85·0	84·8	84·6	84·0
	30	88·8	87·9	87·0	86·5	86·2	86·0	86·0	85·7	85·7	85·2	85·0	85·0
	31												

LARGE HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
APRIL, 1846.	1	13·275	13·285	13·397	13·415	13·509	13·700	14·052	14·000	13·872	13·330	13·130	13·150
	2	13·735	13·725	13·775	13·872	14·070	14·195	14·557	14·705	14·390	13·750	13·350	13·100
	3	13·560	13·675	13·665	13·710	14·000	14·400	14·870	14·945	14·780	14·350	14·000	13·530
	4												
	5	13·430	12·375	13·482	13·550	13·477	14·100	13·750	13·660	13·495	13·195	13·040	12·710
	6	12·335	12·412	12·475	12·592	12·095	12·150	12·095	12·455	12·355	11·935	11.225	11·860
	7	12·770	12·777	12·865	12·732	12·850	13·150	13·155	13·040	12·850	12·400	12·145	12·197
	8	12·860	12·835	12·950	12·035	13·470	13·937	14·000	13·832	13·700	13·310	12·937	12·720
	9	13·095	13·107	13·217	13·285	13·430	13·850	13·940	14·050	13·815	13·530	13·270	13·030
	10	12·720	12·710	12·845	13·180	13·037	12·840	13·257	13·300	13·350	13·020	13·050	12·710
	11												
	12	12·395	12·840	12·652	12·777	12·722	13·000	13·372	13·460	13·235	12·780	12·545	12·380
	13	11·950	12·090	12·277	12·075	12·500	12·590	13·147	13·337	13·045	12·860	12·810	12·630
	14	11·430	11·422	11·565	11·625	11·725	12·220	12·447	11·765	11·655	11·560	11·400	11·590
	15	11·250	11·332	11·535	11·500	11·800	12·000	12·255	11·372	11·320	10·755	10.165	9·715
	16	10·982	10·910	10·930	11·020	10·735	11·055	11·267	11·330	10·607	10·500	10·420	10·390
	17	10·950	11·050	11·097	11·202	11·320	11·700	11·702	11·150	11·150	10·745	10·425	10·325
	18												
	19	8·940	9·050	8·820	9·040	9·160	9·300	9·450	9·500	9·025	8·900	8·890	8·810
	20	8·920	8·947	9·112	9·775	9·985	10·225	10·245	10·357	10·190	9·710	9·347	9·205
	21	8·885	8·862	8·775	8·962	9·160	9·365	9·595	9·557	9·250	9·200	8·930	8·675
	22	8·470	8·400	8·550	8·400	8·630	9·050	9·250	9·155	8·855	8·795	8·615	8·600
	23	9·035	9·175	9·050	8·950	8·960	9·280	9·500	9·210	9·050	8·400	8·190	7·940
	24	7·860	7·900	7·925	8·000	7·920	8·150	8·250	8·352	8·200	7·750	7·510	7·440
	25												
	26	8·335	7·585	7·500	7·790	7·845	8·090	8·157	8·102	8·000	7·710	7·515	6·857
	27	6·460	6·350	6·300	6·500	6·682	6·910	6·990	6·905	6·805	6·760	6·407	6·230
	28	5·955	5·922	5·920	5·992	6·190	6·365	6·560	6·780	6·622	6·610	6·740	6·190
	29	6·300	6·435	5·615	5·700	5·680	6·095	6·110	6·150	5·600	5·545	5·405	5·300
	30	5·125	5·210	5·240	5·280	5·390	5·600	5·705	5·400	5·300	5·350	5·285	5·095
	31												

THERMOMETER OF LARGE HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
APRIL, 1846.	1	80°·0	79°·9	79°·8	80°·3	81°·1	82°·3	82°·5	83°·0	83°·5	83°·8	84°·0	84°·1
	2	80·4	80·3	80·2	80·7	81·8	83·0	84·1	84·9	85·1	85·6	85·9	85·5
	3	80·2	80·0	79·8	80·0	81·5	83·0	84·0	84·0	84·7	84·7	84·9	85·0
	4												
	5	80·9	80·8	80·4	80·8	82·4	83·5	84·0	84·9	85·0	85·7	85·9	85·9
	6	80·5	80·4	80·2	80·6	81·9	83·3	84·2	84·2	84·7	85·0	85·0	85·0
	7	80·9	80·8	80·8	81·2	82·3	84·0	85·0	85·0	85·8	85·9	86·0	86·0
	8	81·0	81·0	80·3	80·8	81·8	82·9	83·5	84·0	84·9	85·4	85·8	85·9
	9	81·8	81·6	81·3	81·7	82·7	83·9	85·0	85·0	85·0	85·7	85·8	85·6
	10	81·6	81·3	81·0	81·5	82·6	83·2	84·0	84·2	84·5	84·9	85·0	84·8
	11												
	12	81·5	81·2	81·0	81·3	82·7	83·9	84·7	85·0	86·0	86·1	86·0	86·0
	13	83·1	83·0	82·7	82·7	83·9	85·0	85·2	85·5	86·0	86·1	86·2	86·0
	14	82·2	82·0	81·6	82·3	83·2	84·0	85·0	85·3	85·5	85·5	85·8	85·7
	15	81·8	81·2	81·0	82·2	83·4	84·9	85·8	86·0	85·7	86·9	87·0	87·0
	16	81·9	81·7	81·8	82·3	83·8	84·0	84·8	85·3	86·0	86·4	86·9	86·9
	17	82·0	82·0	81·8	82·3	83·3	84·0	84·4	85·0	85·7	85·9	86·0	86·1
	18												
	19	82·2	82·2	82·0	82·6	84·0	85·1	86·0	86·5	86·6	86·7	86·4	86·4
	20	81·2	81·0	80·5	81·0	82·9	84·1	85·7	86·0	86·5	86·6	86·9	86·7
	21	81·0	80·8	80·3	81·0	82·6	84·0	85·0	85·8	86·6	86·7	87·0	87·3
	22	83·9	83·9	83·6	84·0	85·3	36·7	87·7	88·0	88·0	88·6	89·0	89·3
	23	85·0	85·0	84·9	85·4	87·2	89·0	89·8	89·5	89·0	89·5	90·0	90·3
	24	85·9	85·4	85·3	86·0	87·5	88·2	88·3	88·9	88·9	89·0	89·1	89·1
	25												
	26	85·0	85·2	85·0	85·7	86·9	88·8	89·0	89·7	90·0	90·0	90·0	90·0
	27	84·9	84·5	84·3	85·2	86·5	88·0	89·3	89·1	89·5	90·0	90·2	90·2
	28	84·8	84·6	84·2	85·0	85·7	86·0	87·0	87·0	87·7	88·0	88·5	88·5
	29	84·0	83·7	83·4	84·2	85·2	86·0	87·0	88·0	88·0	88·8	89·1	89·1
	30	84·9	84·6	84·4	85·0	86·1	87·0	88·0	88·5	89·0	89·0	89·0	88·9
	31												

LARGE HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
MAY, 1846.	1	4·960	4·820	4·505	4·500	4·180	4·150	4·210	4·400	4·410	4·500	4·650	4·710
	2												
	3	12·447	12·115	12·082	12·307	12·415	12·650	12·907	12·927	13·127	13·135	13·192	13·200
	4	12·600	12·600	12·557	12·027	11·280	11·462	11·710	12·125	12·575	12·080	12·550	12·455
	5	12·415	12·222	12·095	12·002	12 305	12·225	12·215	12·567	12·630	12·535	12·585	12·825
	6	12·235	12·315	12·297	12·360	12·422	12·470	12·470	12·477	12·732	12·925	12·780	12·905
	7	12·865	12·685	12·860	12·960	13·007	12·802	12·915	12·920	13·020	13·115	13·100	13·245
	8	12·890	12·750	12·760	12·807	12·862	12·625	12·367	12·425	12·495	12·530	12·710	12·745
	9												
	10	12·505	12·350	12·180	12·357	12·527	12·525	12·600	12·805	12·900	12·810	12·810	12·940
	11	12·480	12·530	12·555	12·560	12·750	12·700	12·792	12·805	13·122	12·930	13·040	13·095
	12	10·960	11·465	11·835	11·570	11·750	11·910	11·677	12·012	12·100	11·905	12·000	12·150
	13	11·670	11·535	11·915	11·760	12·100	11·937	11·977	11·980	12·092	12·235	12·015	12·045
	14	12·270	12·135	12·000	12·080	12·050	12·200	12·145	12·002	12·245	12·320	12·325	12·305
	15	12·505	12·450	12·390	12·280	12·472	12·555	12·505	12·452	12 502	12·565	12·645	12·685
	16												
	17	12·500	12·450	12·390	12 355	12·367	12·352	12·392	12·467	12·475	12·560	12·550	12·500
	18	12·935	12·920	12·930	12·820	12·725	12·760	12·710	12·785	12·800	12·900	12·857	12·970
	19	12·540	12·400	12·550	12·400	12·442	12·442	12·450	12·360	12·402	12·455	12·532	12·590
	20	11·740	12 080	12·100	11·952	11·780	11·830	12·050	12·057	12·097	12·100	12·100	12·180
	21	11·720	11·900	12·172	11·845	12·012	11·995	12·017	12·220	12·100	12·150	12·110	12·120
	22	11·895	11·635	11·850	11·660	11·862	11·760	11·777	11·755	12·000	11·950	11·910	11·950
	23												
	24	11·635	11·710	11·680	11·792	11·837	11·927	12·047	12·032	12·070	12·055	12·045	12·055
	25	11·585	11·595	11·800	11·462	11·750	11·975	12·075	12·127	12·107	12·285	12·295	12·300
	26	12·190	12·160	12·200	12·235	12·152	12·155	12·277	12·265	12·350	12·305	11·895	11·920
	27	12·120	11·885	11·770	11·782	11·860	11·950	12 002	12·062	12·047	12·065	12·050	12·155
	28	11·850	11·850	11·845	11·830	11·862	11·902	11·915	11·935	11·972	11·950	12·012	12·050
	29	12·000	11·880	11·795	11·850	11·900	12·007	12·105	12·042	12·000	12·170	12·235	12·175
	30	11·985	11·950	12·000	11·875	12·112	12·090	11·955	12·000	11·977	12·010	12·010	12·290
	31												

THERMOMETER OF LARGE HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
MAY, 1846.	1	88°·6	88°·0	87°·3	86°·8	86°·3	86°·0	85°·7	85°·3	85°·2	85°·0	85°·0	84°·3
	2												
	3	89·7	89·2	88·3	87·7	87·0	86·7	86·2	86·2	86·0	85·7	85·4	85·0
	4	90·0	89·3	88·2	87·7	87·3	87·0	87·0	86·6	86·2	85·9	85·4	85·0
	5	89·2	88·9	87·8	87·0	87·0	86·7	86·0	86·0	85·3	84·9	84·8	84·6
	6	89·9	89·6	88·3	87·7	87·3	87·0	86·9	86·3	86·0	85·4	85·0	85·0
	7	88·0	87·7	87·2	86·6	86·2	86·0	85·5	85·0	85·0	84·9	84·8	84·8
	8	88·8	88·3	87·3	86·7	86·1	85·9	85·5	85·0	84·9	84·7	84·4	84·2
	9												
	10	88·8	88 0	87·3	86·6	86·2	86·0	86·0	85·7	85·5	85·0	85·2	85·2
	11	88·5	87·9	87·2	86·4	86·4	86·0	86·0	86·0	86·0	86·0	85·9	85·9
	12	89·9	88·6	87·3	86·8	86·3	86·2	86·3	87·0	86 8	86·6	86·7	86·4
	13	90·0	89·6	88·9	88·0	88·0	88·0	87·7	87·4	87·0	86·9	86·2	86·5
	14	89·7	89·4	88·3	88·0	88·2	88·0	88·0	87·2	87·0	86·7	86·0	86·0
	15	88·7	88·5	87·4	87·1	87·2	87·0	86·6	86·2	86·0	85·8	85·5	85·2
	16												
	17	90·6	90·1	88·9	88·2	87·9	87·4	87·3	87·0	87·0	86·8	86·8	86·2
	18	90·0	90·0	89·0	88·3	88·0	88·0	87·8	87·3	87·0	87·0	86·7	86·6
	19	90·0	90·0	89·4	88·9	88·0	87·9	87·5	87·3	87·1	86·7	86·2	86·5
	20	90·2	89·7	88·9	88·0	87·8	87·7	87·3	87·0	87·0	86·9	86·7	86·4
	21	90·0	89·6	88·7	88·0	87·8	87·7	87·5	87·3	87·5	87·0	86·9	86·9
	22	91·0	90·3	89·3	88·7	88·3	88·0	88·0	88·0	87·7	87·5	87·3	87·0
	23												
	24	90·8	90·0	89·0	88·6	88·3	88·2	88·0	88·0	87·7	87·5	87·2	87·1
	25	91·2	90·5	89·3	88·4	88·0	88·0	87·9	87·7	87·7	87·2	87·0	86·9
	26	91·2	90·8	90·0	89·0	88·5	88·4	88·0	88·0	87·7	87·4	87·0	87·0
	27	91·0	90·6	86·8	89·0	88·4	88·0	88·0	87·9	87·7	87·5	87·2	87·0
	28	91·9	91·4	90·4	89·7	89·1	88·8	88·2	88·0	88·0	87·9	87·7	87·3
	29	91·8	91·2	90·4	89·8	89·0	89·0	88·5	88·2	88·0	87·8	87·3	87·0
	30	91·1	99·6	90·0	89·1	88·9	88·5	88·5	88·2	88·1	87·9	87·8	87·4
	31												

LARGE HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
MAY, 1846.	1	4·745	4·775	4·825	4·925	4·675	4·600	4·770	14·492*	14·330	14·200	13·840	13·310
	2												
	3	13·310	13·247	13·145	13·190	13·035	13·067	13·090	13·302	13·400	13·325	13·200	12·930
	4	12·580	12·505	12·677	12·462	12·360	12·640	12·495	13·100	13·060	12·850	12·665	12·535
	5	12·880	13·010	12·975	13·200	13·162	13 350	13·250	13·342	13·280	12·720	12·655	12·410
	6	12·785	13·075	13·087	13·080	13·417	13·750	14·095	14·097	13·905	13·585	13·280	13·070
	7	13·257	13·450	13·355	13·350	13·490	13·690	13·800	13·850	13·610	13·600	13·770	13·180
	8	12·860	12·757	12·865	12·965	13·145	13·302	13·500	13·450	13·300	13·240	13·050	12·830
	9												
	10	12·900	12·890	12·900	12·805	12·875	13·050	13·400	13·400	13·345	13·200	13·050	12·810
	11	13·370	13·500	13·300	13·390	13·000	13·107	13·190	13·260	12·840	11·775	11·180	10·885
	12	11·990	11·790	11·950	11·940	11·932	12·100	12·200	12·372	12·457	12·410	12·215	11·720
	13	12·110	12·200	12·140	12·210	12·347	12·610	12 800	12·730	12·650	12·610	12·540	12·395
	14	12·280	12·300	12·300	12·470	12·485	12·600	12·750	12·790	12·800	12·815	12·665	12·700
	15	12·800	12·850	12·940	13·110	13·295	13·500	13·700	13·700	13·600	13·475	13·150	12·910
	16												
	17	12·595	12·742	12·947	13·080	13·160	13·210	13·390	13·395	13·390	13·205	13·090	13·000
	18	13·100	12·800	12·947	12·950	13·170	13·195	13·300	13·000	13·085	12·930	12·820	12·625
	19	12·650	12·670	12·800	12·690	12·790	13·095	13·010	12·555	12·500	12·325	12·100	12·070
	20	12·225	12·235	12·205	12·205	12·300	12·367	12·550	12·700	12·655	12·580	12·400	12·085
	21	12·120	12·160	12·182	12·250	12·450	12·765	13·000	12·915	12·800	12·480	12·100	11·830
	22	11·960	12·055	12·060	12·090	12·290	12·495	12·600	12·707	12·505	12·550	12·260	11·980
	23												
	24	12·090	12·155	12·297	12·450	12·600	12·720	12·810	12·655	12·550	12·415	12·110	11·790
	25	12·350	12·350	12·477	12·600	12 800	12·900	13·015	13·100	13·050	12·860	12·445	12·250
	26	11·990	12·015	12·025	12·245	12·500	12·800	12·947	12·910	12·650	12·570	12·370	12·180
	27	12·170	12·200	12·250	12·225	12·320	12·440	12·522	12·505	12·465	12·305	12·125	12·000
	28	12·047	12·060	12·152	12·250	12·350	12·410	12·590	12·600	12·595	12·490	12·310	12·190
	29	12·185	12·175	12·225	12·282	12·485	12·550	12·645	12·450	12·405	12·285	12·185	11·980
	30	12·080	12·200	12·200	12·095	12·060	12·100	12·055	12·100	12·295	12·270	11·785	11·410
	31												

THERMOMETER OF LARGE HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12h	13h	14h	15h	16	17h	18h	19h	20h	21h	22h	23h
MAY, 1846.	1	84°·9	84°·8	84°·6	85°·3	86°·4	88·0	89°·0	89°·0	89°·5	89°·5	89·6	89°·7
	2												
	3	85·0	84·8	84·8	85·4	86·7	87·5	88·1	89·0	89·0	89·7	89·9	90·0
	4	85·0	85·0	84·6	85·4	86·9	88·2	88·9	89·0	89·0	89·0	89·8	89·9
	5	84·5	84·2	84·0	85·0	86·3	88·0	88·7	89·0	89·3	89·7	89·8	89·8
	6	84·8	84·7	84·3	85·3	86·0	86·9	87·3	87·7	88·0	88·0	88·2	88·3
	7	84·6	84·5	84·5	85·4	86·4	87·7	88·2	88·9	89·0	89·0	89·0	88·9
	8	84·0	84·0	84·1	85·0	86·2	87·5	88·0	88·0	88·5	88·6	88·7	88·7
	9												
	10	85·0	85·0	84·9	85·6	86·9	87·7	87·9	88·0	89·5	88·8	89·0	88·9
	11	85·4	85·0	85·8	86·9	88·0	89·0	89·0	89·2	89·8	90·0	90·0	89·7
	12	86·3	86·6	86·3	87·3	88·0	88·0	88·6	89·0	89·0	89·6	89·8	90·0
	13	86·7	86·4	86·2	86·0	86·3	87·5	89·0	90·2	91·0	90·8	90·1	90·0
	14	85·9	86·0	86·2	86·7	87·0	87·2	87·9	89·0	89·7	89·8	88·9	88·7
	15	84·9	84·5	84·7	85·6	86·6	87·1	88·0	89·0	89·0	89·5	89·8	89·9
	16												
	17	86·0	85·9	86·0	86·5	87·4	88·0	88·5	89·0	89·0	89·1	89·9	90·0
	18	86·3	86·0	86·3	87·0	87·8	89·0	89·8	90·0	90·0	90·3	90·6	90·4
	19	86·5	86·5	86·5	86·9	87·4	88·1	89·0	90·4	90·8	90·7	90·8	90·6
	20	86·0	86·0	86·2	87·0	87·9	88·5	89·0	89·2	90·0	90·7	90·7	90·5
	21	86·8	86·3	86·6	87·3	88·0	89·0	90·0	90·6	91·0	91·1	91·2	91·1
	22	87·0	86·9	87·0	87·4	88·2	89·0	89·8	90·3	90·9	91·0	91·0	91·1
	23												
	24	87·0	87·0	87·0	87·9	89·0	89·0	90·6	91·0	91·0	91·8	92·0	91·7
	25	86·9	86·7	86·9	87·3	88·5	89·9	90·2	90·7	91·0	91·6	91·3	91·5
	26	86·9	86·8	86·9	87·3	88·2	89·0	89·8	90·5	90·8	90·9	91·0	91·1
	27	86·9	86·8	86·8	87·4	88·2	89·0	90·0	91·0	91·0	91·6	91·9	92·0
	28	87·2	87·0	87·1	97·2	88·3	89·0	90·0	90·8	91·0	91·7	92·0	91·9
	29	88·9	86·8	86·7	87·1	87·8	88·7	89·0	90·0	90·7	90·4	91·0	91·3
	30	87·2	87·2	87·2	87·8	89·0	90·0	90·2	91·0	91·5	91·9	92·0	92·0
	31												

* Reading returned to 14, by moving the Collimator under the Magnet.

LARGE HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
JUNE, 1846.	1	12·660	12·637	12·672	12·865	13·040	13·080	13·070	13·230	13·405	13·360	13·295	13·585
	2	12·737	12·862	12·730	12·915	13·297	13·450	13·382	13·302	13 982	13·910	13·850	14·110
	3	13·347	13·115	13·107	13·200	13·322	13·305	13·425	13·870	13·727	13·770	13·815	14·080
	4	13·150	13·070	13·150	13·070	13·122	13·102	13·230	13·457	13·600	13·627	13·727	13·775
	5	13·005	13·010	13·050	13·240	13·412	13·500	13·477	13·500	13·575	13·577	13·635	13·950
	6												
	7	13·095	13·210	13·180	13·375	13·490	13·475	13·207	13·250	13·300	13·707	13·625	13·695
	8	13·760	13·700	13·715	13·705	13·995	14·122	14·175	14·250	14·327	14·450	14·472	14·580
	9	13·600	13·485	13·505	13·500	13·407	13·477	14·440	13·955	14·025	14·042	14·030	14·157
	10	14·020	14·010	14·000	13·880	14·262	14·105	14·100	14·525	14·525	14·480	14·625	14·637
	11	14·935	14·750	14·797	14·935	14·995	14·975	14·950	14·995	15·025	15·065	15·017	15·150
	12	14·855	14·585	14·707	14 700	15·075	15·030	15·100	14·950	14·990	14·880	14·985	15·010
	13												
	14	14·850	13·457	14·462	14.325	14·342	14·650	14·925	14·550	14·645	14·565	14·610	14·695
	15	13·690	13·670	13·905	13·950	14·115	14·125	14·350	14·022	14·407	14·160	14·725	14·420
	16	13·595	13·525	13·895	14·217	14·130	14·200	14·322	14·502	14·452	14·815	14·525	14·447
	17	14·850	14·700	14·700	14·915	14·725	14·800	14·967	15·110	15·090	15·005	14·970	14·775
	18	15·120	14·950	14·910	14·787	14·975	15·250	15·452	15·425	15·457	15·675	15·502	15·595
	19	14·705	14·620	14·670	14·600	14·600	14·695	14 655	14·600	14·700	14·700	14·700	14·777
	20												
	21	14·025	13·965	14·147	14·130	14·357	14·575	14·602	14·600	14·632	14·540	14·675	14·680
	22	14·185	14·162	14·057	14·000	14·060	14·175	14·335	14·647	14·632	14·690	14·717	14·705
	23	14·140	13·995	14·165	14·160	14·190	14·375	14·522	14·617	14·435	14·517	15·010	14·775
	24	14·560	14·382	14·147	14·212	14·390	14·400	14·500	14.501	14·600	14·500	14·510	14·715
	25	14·485	14·450	14·475	14·312	14·500	14·770	14·872	15·075	14·910	15·000	14·857	14·945
	26	15·260	15·150	15·050	15·075	15·170	15·170	15·210	15·200	15·375	15·430	15·275	15·335
	27												
	28	14·860	14·700	14·662	14·550	14·747	14·800	14·812	14·755	14·865	14·925	14·865	14·915
	29	14·665	14·357	14·560	14·732	14·975	15·150	15·125	14·970	14 952	15·205	14·900	14·842
	30	14·315	14·400	14·515	14·575	14·990	14·745	14·775	14·870	14·900	14·815	14·870	14·890
	31												

THERMOMETER OF LARGE HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
JUNE, 1846.	1	92·8	92·1	91·1	90·4	89·9	89·5	89·0	88·9	88·8	88·4	88·1	88·0
	2	89·9	89·2	88·4	87·9	87·0	87·0	86·8	86·8	86·5	86·0	85·9	85·0
	3	89 9	89·6	88·9	88·0	87·8	87·7	87·5	87·0	86·9	86·0	85·9	85·5
	4	90·0	90·0	89·0	88·1	87·9	87·8	87·5	87·3	87·3	87·0	86·9	86·8
	5	90·8	90·3	89·3	88·6	88·2	88·2	88·0	87·9	87·5	87·3	87·1	87·0
	6												
	7	91·3	91·2	90 6	90·0	89·8	89·8	89·6	89·2	89·0	88·8	88·4	88·0
	8	89·6	89·4	89·0	88·0	87·7	87·2	87·0	87 0	87·0	86·7	86·5	86·4
	9	88·9	88·6	88·2	88·2	86·2	86·0	85·3	85·1	85·0	85 0	85·0	84 3
	10	87·7	87·0	86·7	86·0	85·5	85·0	84·0	83·8	84·2	83·9	83·8	83·7
	11	83·2	83·0	83·0	82·8	82·8	83·0	83·0	83·0	83·0	82·8	82·5	82·1
	12	83·0	83·0	82·4	82·0	81·7	82·3	82·7	83·0	83·0	82·9	82·7	82·9
	13												
	14	86·0	85·9	85·5	85·2	84·0	83·9	83·9	84·0	84·0	83·8	83·6	83·2
	15	87·5	87·2	86·5	86·0	85·8	85·5	85·3	85·1	85·0	84·9	84·8	84·7
	16	86·1	85·7	85·3	85·1	85·1	85·1	85·0	85·0	84·7	84·6	84·6	84·6
	17	82·9	83·3	82·4	82·5	82·4	82·0	82·0	81·8	81·7	81·9	82 1	82·5
	18	82·1	82·0	82·0	81·5	80·4	80·3	80·1	80 0	80·1	79·9	79 9	79·9
	19	84·0	84·3	84·0	83·9	83·5	83·7	82·7	83·7	83·3	83·0	83·0	83·0
	20												
	21	86·0	85·5	85·2	84·5	83·8	83·5	84·0	84·1	84·0	84·0	84·0	84·0
	22	87·9	87·4	86·8	86·2	85·9	85·7	85·2	85·0	85·0	84·8	84·6	84·3
	23	86·6	86 5	86·5	85·9	84·9	84·9	84·5	84·5	84·9	84·0	84·0	83·3
	24	84·6	84·4	84·3	84·0	84·0	84·1	84·4	84·4	84·4	84·0	84·0	83·6
	25	86 0	85·1	84·3	83·9	83·7	83·7	83·0	83·0	83·0	83·0	82·3	82·0
	26	82·9	82·9	82·9	82·6	82·6	82·5	82·0	83·0	82·7	82·3	82·0	82·0
	27												
	28	85·3	84·9	84·2	83·8	83·2	83·0	83·1	83 5	83·5	83·1	83·0	83·0
	29	85·6	85·4	84·2	82·3	82·3	82·0	82·2	82·8	83·0	82·9	82·9	83·0
	30	85·1	84·7	85·0	85·0	82·8	82·9	83·0	83·0	83·2	83·1	83·0	83·0
	31												

LARGE HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time,	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
JUNE, 1846.	1	13·625	13·705	13·320	13·645	13·647	13·485	13·350	13·080	13·180	13·355	12·780	12·440
	2	13·877	13·875	14·045	14·060	14·215	14·315	14·172	14·270	14·210	13·860	13·870	13·629
	3	14·007	14·012	14·010	14·052	14·090	14·100	14·250	14·350	14·260	14·065	13·730	13·360
	4	13·850	13·867	13·872	13·970	14·010	14·210	14·300	14·240	14·245	14·200	13·990	13·620
	5	14·035	14·110	14·240	14·395	14·600	14·725	14·850	14·805	14·617	14·315	14·045	13·690
	6												
	7	13·610	13·727	13·675	14·062	14·345	14·897	14·952	14·900	14·730	14·505	14·410	14·050
	8	14·575	14·277	14·485	14·425	14·000	13·815	14·305	13·950	13·900	13·700	13·480	13·640
	9	14·410	14·435	14·675	14·510	14·575	14·700	14·745	14·950	14·910	14·750	14·535	14·315
	10	14·742	14·750	14·850	15·025	15·417	15·500	15·700	15·865	15·750	15·725	15·575	15·275
	11	15·030	15·045	15·090	15·165	15·707	15·980	16·400	16·450	16·295	16·110	15·720	15·250
	12	14·900	14·910	15·125	15·540	15·950	16·420	17·277	17·350	17·122	16·990	16·925	16·765
	13												
	14	14·960	14·947	15·105	14·990	14·510	14·915	15·080	15·130	15·150	14·885	14·275	13·805
	15	14·380	14·450	14·625	14·570	14·617	14·900	15·105	14·880	14·830	14·892	14·320	14·085
	16	14·350	14·532	14·630	14·752	14·890	15·170	15·560	15·680	15·645	15·745	15·345	15·017
	17	14·825	14·870	15·092	15·512	15·952	16·320	16·525	16·550	16·377	15·960	15·630	15·345
	18	15·592	15·580	15·445	15·325	15·595	15·632	15·450	15·275	15·200	15·350	15·217	14·925
	19	14·750	14·800	15·955	15·160	15·162	15·300	15·415	15·355	15·162	14·985	14·795	14·405
	20												
	21	14·702	15·010	14·952	15·165	15·500	15·450	15·625	15·380	14·705	14·675	14·060	14·125
	22	14·650	14·625	14·865	14·700	15·050	15·345	15·327	15·125	14·750	14·532	14·235	14·050
	23	14·850	14·925	15·002	15·235	15·410	15·685	15·752	15·820	15·895	15·580	14·730	14·555
	24	14·780	14·795	14·900	15·005	15·405	15·610	15·640	15·695	15·600	15·180	14·915	14·817
	25	14·972	15·230	15·290	15·627	15·750	15·853	16·250	16·185	16·130	15·957	15·727	15·550
	26	15·475	15·382	15·560	15·640	15·985	16·492	16·115	16·190	16·160	16·005	15·845	15·545
	27												
	28	15·010	15·000	15·025	15·200	15·260	15·550	15·850	15·850	15·750	15·640	15·120	14·915
	29	14·985	15·045	15·112	15·300	15·632	15·660	15·700	15·350	15·340	15·250	14·960	14·335
	30	14·850	14·910	14·995	15·190	15·650	15·810	16·250	16·120	15·900	15·900	15·790	15·450
	31												

THERMOMETER OF LARGE HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
JUNE, 1846.	1	87°·8	87°·2	87°·0	86°·8	89°·6	88°·2	89°·0	89°·3	89°·7	90°·0	90°·1	90°·3
	2	85·1	85·3	84·9	85·4	86·5	87·5	88·5	88·9	89·0	89·2	89·8	89·9
	3	85·4	85·2	85·5	85·9	86·8	87·5	88·0	88·7	89·3	89·8	89·9	80·0
	4	86·8	86·6	86·7	87·0	87·4	88·0	89·0	89·6	90·0	90·0	90·6	90·6
	5	86·9	86·9	87·0	87·5	88·4	89·0	90·0	90·1	90·6	90·9	91·3	91·5
	6												
	7	87·9	87·6	87·9	88·1	87·0	86·0	87·0	87·0	87·7	88·0	88·2	89·0
	8	86·4	86·2	86·7	86·9	87·9	88·5	89·6	90·0	90·0	90·2	90·6	89·7
	9	83·9	83·9	83·8	84·0	85·0	85·1	86·0	87·0	87·9	88·0	88·3	87·8
	10	83·8	83·2	83·0	83·2	83·5	84·0	85·0	85·9	86·2	84·2	83·7	83·3
	11	82·2	82·0	82·0	82·2	81·9	82·0	83·0	83·7	83·9	83·4	83·8	83·6
	12	83·0	83·2	83·0	83·5	83·3	83·0	82·5	82·2	82·0	82·1	82·7	83·0
	13												
	14	83·1	83·3	83·7	84·2	85·2	86.0	86·8	87·0	87·6	87·7	87·8	87·8
	15	84·7	84·5	84·5	85·0	85·5	86·8	86·2	87·0	87·0	87·4	87·9	87·0
	16	84·8	83·9	84·0	84·2	83·8	84·0	83·9	83·2	83·5	82·9	82·7	82·8
	17	82·9	32·0	81·2	79·8	80·2	80·1	80·2	80·5	80·9	80·9	81·7	82·0
	18	79·9	79·8	79·8	80·0	80·5	81·0	82·0	82·5	82·7	82·8	82·6	83·1
	19	83·0	83·0	83·0	83·8	84·3	85·6	85·0	87·0	87·2	87·6	87·6	87·6
	20												
	21	84·0	83·8	84·0	84·3	85·3	86·2	87·0	87·5	87·7	87·9	88·0	88·0
	22	84·0	84·1	84·2	84·4	84·7	86·0	87·0	87·2	87·8	87·9	88·0	88·0
	23	82·8	82·5	82·8	82·8	82·3	82·6	83·0	83·3	83·0	84·1	85·0	84·9
	24	83·9	84·0	84·0	83·9	85·0	86·0	85·0	85·0	85·6	86·0	86.8	87·0
	25	82·0	82·3	82·3	82·0	82·1	82·0	81·5	81·9	82·2	82·8	82·9	03·0
	26	91·2	81·3	82·1	82·0	81·8	82·0	82·0	82·0	83·0	83·0	83·6	83·3
	27												
	28	83·0	83·0	83·0	83·0	83·8	83·9	84·9	85·2	85·0	84·2	85·0	85·5
	29	82·8	82·9	83·0	83·2	83·6	83·9	85·0	85·0	86·0	86·2	86·7	86·4
	30	83·0	83·2	83·0	83·0	83·3	84·0	84·8	85·3	85·9	84·5	85·1	84·0
	31												

LARGE HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
JULY, 1846.	1	15·155	—	14·750	14·795	14·925	14·775	14·925	15·000	14·960	14·930	15·020	14·937
	2	14·440	14·395	14·200	14·150	14·007	14·450	14·700	14·680	14·707	14·695	14·750	14·725
	3	14·140	13·850	13·705	13·795	13·987	14·200	14·285	14·325	14·455	14·410	14·495	14·605
	4												
	5	14·295	14·220	14·250	14·295	14·085	14·207	14·457	14·407	14·570	14·465	14·577	14·670
	6	14·925	14·240	13·912	13·967	13·847	13·950	13·932	14·405	14·270	14·310	14·387	14·765
	7	13·815	14·000	14·050	13·945	14·315	14·267	14·295	14·430	14·605	14·330	14·325	14·370
	8	14·120	13·860	14·040	14·040	14·152	14·372	14·342	14·400	14·500	14·495	14·432	14·647
	9	14·255	14·140	14·072	14·175	14·187	14·325	14·457	14·432	14·572	14·472	14·650	14·597
	10	13·995	13·857	14·050	14·095	14·310	14·220	14·502	14·575	14·595	14·550	14·620	14·705
	11												
	12	13·620	13·122	13·535	13·480	14·135	14·162	14·245	14·555	14·360	14·550	14·400	14·382
	13	14·350	14·112	14·215	14·122	14·420	14·570	14·002	13·920	14·497	14·272	14·720	14·460
	14	14·705	14·465	14·400	14·475	14·612	14·695	14·795	14·805	14·932	14·985	14·910	15·207
	15	14·810	14·460	14·307	14·515	14·862	15·025	14·802	14·860	15·100	15·097	15·105	15·117
	16	15·227	14·997	15·050	15·250	15·507	15·570	15·522	15·627	15·705	15·660	15·590	15·642
	17	15·645	15·502	15·462	15·322	15·405	15·460	15·457	15·735	15·550	15·470	15·500	15·400
	18												
	19	15·432	14·945	15·150	15·100	15·200	15·500	15·550	15·550	15·460	15·610	15·657	15·652
	20	15·835	15·760	15·482	15·255	15·800	15·650	15·750	15·750	15·800	15·670	16·015	15·760
	21	15·742	15·465	15·480	15·510	15·465	15·550	15·600	15·600	15·585	15·600	15·600	15·700
	22	15·700	15·650	15·525	15·550	15·500	15·500	15·600	15·435	15·800	15·895	16·000	15·900
	23	14·890	15·055	15·077	14·700	14·895	14·885	14·985	15·220	15·245	15·295	15·342	15·575
	24	16·360	16·260	16·250	16·390	16·272	16·247	16·247	15·900	15·897	15·825	15·950	15·942
	25												
	26	15·782	15·670	15·695	15·805	15·835	15·890	15·800	15·810	15·715	15·740	15·950	15·720
	27	15·900	15·712	15·597	15·332	15·345	15·350	15·495	15·940	15·690	15·500	15·725	15·815
	28	15·890	15·685	15·560	15·560	15·605	15·407	15·650	15·650	15·992	15·785	15·845	15·165
	29	16·105	15·720	15·142	14·595	14·195	13·900	14·160	14·650	14·840	15·040	15·030	15·160
	30	15·365	15·442	15·545	15·705	15·795	15·500	15·735	15·800	15·500	15·705	15·915	15·660
	31	15·245	15·125	15·335	15·165	15·150	15·112	15·430	15·387	15·350	15·500	15·505	15·942

THERMOMETER OF LARGE HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
JULY, 1846.	1	84°·3	—	82·3	81°·5	82°·0	82°·2	82·8	82·7	82·5	82°·8	82°·7	82°·9
	2	82·8	82·6	82·7	82·7	82·7	83·0	82·9	82·7	82·7	82·4	82·4	82·5
	3	83·9	83·9	83·2	83·1	83·1	83·0	83·0	83·0	83·0	82·8	82·7	82·6
	4												
	5	86·4	86·3	85·8	85·2	84·8	84·7	84·2	84·0	83·7	83·7	83·3	83·2
	6	87·1	86·5	86·0	85·3	85·2	85·0	84·7	84·2	84·2	84·0	83·9	83·7
	7	86·5	86·0	85·2	85·0	84·6	84·6	84·4	84·2	84·1	84·0	84·0	83·7
	8	87·0	86·5	86·0	85·3	85·2	85·0	85·0	84·9	84·7	84·3	84·0	83·9
	9	88·0	87·9	87·2	86·4	86·0	86·0	85·7	85·5	85·3	85·0	84·9	84·8
	10	88·9	87·7	87·2	86·8	86·3	86·1	86·0	86·0	85·8	85·5	85·0	85·0
	11												
	12	88·0	87·3	87·1	87·0	86·7	86·5	86·2	86·2	86·0	85·9	85·9	85·3
	13	86·1	85·8	85·3	85·3	85·2	85·1	84·8	84·7	84·2	84·0	84·0	83·0
	14	85·9	85·8	85·3	84·8	84·5	84·7	84·5	84·5	84·4	84·0	83·9	83·5
	15	84·7	84·0	83·8	83·3	82·7	82·5	82·5	82·3	82·3	82·0	81·9	81·8
	16	81·0	81·8	82·0	80·2	80·2	80·5	80·2	80·6	80·7	80·2	80·0	80·3
	17	79·8	80·0	80·0	80·2	80·2	80·0	80·0	79·7	80·0	80·7	81·0	81·0
	18												
	19	80·2	80·0	80·2	80·0	79·7	79·0	79·0	80·0	80·0	79·8	79·1	79·0
	20	80·2	80·8	80·2	79·7	79·7	80·1	80·0	80·0	79·8	79·8	79·6	79·7
	21	80·8	80·6	80·3	80·3	79·6	79·9	80·0	80·0	80·2	79·9	80·0	80·0
	22	81·3	80·8	81·0	80·7	80·5	80·9	80·8	80·3	80·5	80·0	80·4	80·0
	23	83·0	82·6	81·9	81·5	81·4	81·5	81·9	81·8	81·5	81·4	81·5	81·3
	24	79·6	79·3	79·1	79·3	79·3	79·8	79·8	79·3	79·8	79·8	80·0	80·6
	25												
	26	80·8	80·4	80·2	80·2	80·2	80·5	80·7	80·6	80·9	80·4	80·5	80·2
	27	82·0	81·4	81·0	81·0	81·0	81·0	81·0	81·0	81·0	80·9	80·9	80·9
	28	82·9	82·7	81·8	81·3	81·3	81·5	81·0	81·0	81·0	81·0	80·6	80·7
	29	81·1	81·7	81·3	81·3	81·5	81·3	81·2	81·3	81·3	81·1	81·0	81·0
	30	81·4	81·1	81·2	81·1	81·2	81·0	81·0	81·0	81·0	80·8	80·4	80·7
	31	83·6	83·0	82·0	82·0	81·9	81·9	81·7	81·5	81·5	81·3	80·9	80·9

LARGE HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
JULY, 1846.	1	15·045	14·965	14·872	15·055	15 430	15·550	16·100	16·400	15·857	15·275	15·015	14·827
	2	14·900	15·025	14·880	15·062	15·367	15·950	16·095	16·352	15·855	15·530	15·617	14·705
	3	14·690	14·560	14·510	14·965	14·870	14·900	14·850	14·650	14·640	14 730	14·427	13·650
	4												
	5	14·685	14·647	15·037	14·780	15·050	15·002	15·300	15·350	15·147	14·755	14·580	14·740
	6	14·635	14·650	14·698	14·585	14·420	14·810	14·910	14·112	14·547	14·370	14·160	13·930
	7	14·510	14·727	14·992	14·700	15·060	14·970	15·150	15·050	15·047	14·810	14·665	14·400
	8	14·640	14·750	14·800	14·940	15.200	15·501	15·432	15·300	14·850	14·860	14·755	14·430
	9	14·745	14·752	14·957	15·110	15·375	15·500	15·477	15·300	14·970	14·845	14·590	14.380
	10	14·795	14·807	14·980	15·052	15 210	15·500	15·700	16·840	16·402	16·726	16·287	15·800
	11												
	12	14·435	14·362	14·750	15·045	14·725	15·105	15·582	16·046	16·150	15·100	15·507	15·500
	13	14·615	14·752	14·820	14·920	15·050	15·100	15·815	15·500	15·850	15·645	15·105	14·950
	14	15·040	15·037	15·225	15·500	15·900	16·095	16·205	16·120	16·540	16·150	15·670	14·950
	15	15·045	15·202	15·290	15·525	15·700	16·012	16·445	16·300	16·247	15·995	15·700	15·435
	16	15·575	15·510	15·677	15·822	15·960	16·200	16·610	16·670	16·190	16·097	15·885	15·710
	17	15·385	15·500	15·550	15·725	16·050	16·040	16·270	16·250	16·380	16·055	15·660	15·550
	18												
	19	15·700	15·755	15·800	16·005	16·212	16·600	16·832	17 000	16·800	16·780	16·380	16·060
	20	15·750	15·730	15·940	16·095	16·345	16·302	16·642	16·405	16·650	16·522	16·170	15·845
	21	15·660	15·700	15·900	—	—	17·250	17·400	17·165	16·832	16·500	16·265	16·044
	22	16·040	16·120	16·250	16·320	16·600	16·700	16·675	16·497	16·145	16·080	15·320	15·045
	23	15·630	15·795	15·840	16·050	16·410	16·900	17·045	17·140	17·195	16·920	16·685	16·540
	24	15·810	16·030	16·182	16·350	16·495	16·255	16·590	16·350	16·550	16·420	16·435	16·350
	25												
	26	15·757	15·870	15·530	16·255	16·330	16·350	16·850	17·057	16·800	16·410	16·250	16·090
	27	15·760	15·895	15·912	16·050	16·245	16·202	16·397	16·450	16·250	16·205	16·510	16·220
	28	15·990	15·950	15·940	16·080	16·610	17·000	17·300	17·655	17·347	16·795	16·545	16·245
	29	15·140	15·332	13·410	15·450	15·625	15·950	16·160	16·030	16·152	16·155	15·930	15.685
	30	16·000	16·145	15·842	15·862	16·000	16·100	16·102	15·845	15·880	15·805	15·655	15·555
	31	15·900	15·837	15·762	15·455	16·650	15·962	16·170	16·400	16·300	15·887	15·890	15·700

THERMOMETER OF LARGE HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
JULY, 1846.	1	82°·7	82°·5	82°·8	82·9	83°·0	83°·1	83°·3	83°·5	82°·0	82°·2	82°·8	82°·8
	2	82·5	82·4	82·4	82·3	81·6	81·5	81·5	82·4	83·6	83·0	83·0	83·3
	3	82·6	82·4	82·3	83·0	83·8	84·7	85·2	85·9	85·0	85·8	86·0	85·3
	4												
	5	83·0	83·0	83·0	83·3	84·3	85·1	86·0	86·7	87·0	86·9	87·1	87·2
	6	83·5	83·4	83·3	84·0	84·0	84·0	85·1	86·0	86·6	86·9	87·0	86·9
	7	83·4	83·2	83·0	83·5	84·2	85·0	85·0	86·0	86·9	87·0	87·3	87·3
	8	83·8	83·7	83·4	84·1	84·9	86·0	86·9	87·5	87·7	88·1	88·0	88·0
	9	84·8	84·6	84·2	84·3	85·0	86·0	87·2	87·0	88·0	88·6	88·9	88·9
	10	85·6	85·0	84·7	85·1	85·9	86·9	87·6	88·0	88·2	88·9	89·0	89·0
	11												
	12	85·7	85·6	84·8	84·4	85 3	84·5	84·7	85·9	86·3	86·3	86·7	86·8
	13	82·7	83·0	82·8	82·9	83·2	83·3	84·0	84·7	84·1	84·5	83·9	85·4
	14	83·6	83·3	83·0	83·2	83·9	84·9	85·3	84·9	85·0	85·3	84·8	84·9
	15	81·9	81·2	81·5	81·2	81·4	82·0	83·0	83·9	84·8	85·6	85·0	82·9
	16	80·3	80·7	80·6	80·5	81·3	80·5	81·1	81·0	81·0	82·3	80·0	79·9
	17	81·0	81·0	81·5	81·0	80·3	80·0	80·9	81·7	82·0	81·6	81·1	80·2
	18												
	19	79·0	79·4	79·8	79·4	79·6	79·8	80·3	80·9	81·0	81·2	79·9	79·8
	20	79·8	79·2	79·3	80·0	80·0	79·5	79·7	80·1	79·9	78·9	80·0	80·2
	21	80·0	80·0	79·7	—	—	80·0	80·6	80·5	81·0	80·5	81·0	81·2
	22	79·9	80·2	80·2	80·4	81·2	82·0	81·9	83·3	83·5	83·8	84·0	84·0
	23	80·0	81·4	81·2	81·0	81·6	82·0	82·5	81·5	80·5	80·7	80·0	79·3
	24	84·4	80·2	80·2	80·7	80·7	80·1	80·0	80·0	79·7	79·3	79·6	80·0
	25												
	26	80·6	80·2	79·5	80·2	80·8	80·8	81·5	82·3	83·0	83·0	82·9	82·2
	27	80·9	80·8	80·8	81·0	81·2	81·8	83·0	83·3	83·9	83·2	83·1	83·0
	28	80·8	80·9	80·8	80·8	80·5	81·0	81·0	81·0	81·8	82·0	82·6	82·0
	29	81·0	81·0	81·0	81·0	81·0	81·2	81·7	81·7	81·8	82·0	81·6	81·8
	30	80·8	80·7	80·5	81·0	81·7	82·0	82·9	83·2	83·9	83·4	83·1	83·2
	31	80·9	80·2	80·2	80·5	80·8	81·4	81·7	81·7	82·1	82·5	82·9	81·7

LARGE HORIZONTAL FORCE MAGNETOMETER.

Date, Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
AUGUST, 1846.	1												
	2	15·250	15·210	15·165	15·382	15·350	15·800	15·700	15·450	15·500	15·590	15·940	15·645
	3	15·385	15·290	15·122	15·347	15·277	15·082	15·340	15·662	15·500	15·340	15·527	15·650
	4	15·095	15·010	14·952	15·087	15·175	15·275	15·300	15·400	15·430	15·680	15·505	15·500
	5	15·510	15·445	15·575	15·400	15·320	15·462	15·430	15·597	15·802	15·650	15·720	15·660
	6	15·350	15·075	14·942	14·790	15·082	15·400	15·312	15·200	15·377	15·452	15·800	16·040
	7	13·400	13·450	13·065	13·900	14·125	14·800	14·500	14·600	14·550	15·610	14·960	15·125
	8												
	9	14·725	14·705	13·965	14·775	14·585	14·850	15·045	15·265	15·200	15·195	15·252	15·210
	10	14·560	14·345	14·550	14·920	14·885	14 895	14·960	14·927	15·200	15·430	15·350	15·315
	11	15·010	14·845	14·890	14·970	14·917	15·167	15·305	15·302	15·315	15·440	15·392	15·420
	12	15·310	15·227	15·080	14·725	14·745	14·422	14·487	14·752	15·000	15·155	15·350	15·660
	13	14·600	13·987	14·180	13·975	13·840	14·147	14·387	14·850	14·967	15·190	15·190	15·320
	14	14·695	14·700	14·240	13·955	14·375	14·387	14·787	14·975	15·145	15·375	15·005	15·295
	15												
	16	15·500	15·397	15·397	15·450	15·470	15·375	15·320	15·565	15·400	15·460	15·500	15·940
	17	15·320	15·290	15·310	15·340	15·340	15·210	15·152	15·147	15·350	15·547	15·545	15·570
	18	15·280	15·302	15·320	15·195	15·210	15·450	15·350	15·352	15·380	15·755	15·720	15·605
	19	15·062	15·165	15·315	15·260	15·270	15·205	15·100	15·210	15·200	15·345	15·385	15·300
	20	15·455	15·452	15·260	15·020	15·255	15·202	15·450	15·255	15·422	15·460	15·675	15·720
	21	15·250	14·810	15·025	15·112	15·050	15·245	15·450	15·477	15·235	15·550	15·290	15·375
	22												
	23	15·822	15·210	15·450	15·665	15.667	15·750	15·735	15·807	15·900	16·000	16·060	16·240
	24	15·595	15·277	15·537	15·597	15·697	16·000	15·775	15·700	15·772	15·850	16·040	15·820
	25	14·390	14·880	14·952	14·950	14·925	15·050	15·090	15·570	15·600	15·580	15·505	15·515
	26	15·350	15·360	15·370	15·205	15·225	15·225	15·400	15·445	15·807	15·830	15·605	15·700
	27	15·105	15·350	15·470	15·460	15·565	15·650	15·877	15·755	15·700	16·012	15·205	15 300
	28	15·250	15·247	15 262	15·367	15·202	14·935	14·952	15·705	15·452	15·410	15·582	16·280
	29	15·105	15·055	15·047	15·010	15·142	15·527	16·125	15·965	15·672	15·832	16·045	16·095
	30												
	31	15·840	15·605	15·505	15·460	15·502	15·500	15·485	15·575	15·505	15·500	15·825	15·695

THERMOMETER OF LARGE HORIZONTAL FORCE MAGNETOMETER.

Date, Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
AUGUST, 1846.	1												
	2	84°·2	83°·9	83°·2	82°·7	80°·3	82°·0	82°·0	82°·0	82°·0	81°·5	81°·2	81°·1
	3	84·2	83·8	82·1	82·2	82·2	82·2	82·0	82·0	81·7	81·4	81·3	81·2
	4	84·9	84·8	83·4	82·7	82·7	82·5	82·2	82·0	82·0	81·9	81·8	81·7
	5	84·0	83·9	83·4	82·9	82·2	82·0	82·0	81·1	81·1	81·0	81·0	81·0
	6	85·2	85·0	84·0	83·3	83·0	82·8	82·3	82·3	82·1	82·0	81·7	81·5
	7	84·8	84·1	83·4	83·0	82·8	82·9	82·7	82·4	82·0	81·9	81·8	81·7
	8												
	9	83·2	83 3	82·8	82·3	82·0	82·0	82·0	82·0	82·0	81·1	81·1	81·2
	10	84·4	83·9	83·4	83·0	82·9	82·6	82·5	82·2	82·1	81·9	81·9	81·9
	11	85·5	85·0	84·0	83·6	83·3	83·0	83·0	83·0	83·0	82·8	82·7	82·7
	12	83·6	82·1	81·8	82·0	82·0	82·0	82·0	82·2	82·0	82·0	81·5	81·9
	13	83·9	82·8	82·3	82·4	82·2	82·3	82·3	82·3	82 0	82·0	81·9	81·9
	14	84·9	83·8	83·0	81·9	82·0	82·0	82·0	82·0	81·8	81·7	81·4	81·2
	15												
	16	82·5	82·1	82·1	81·0	81·0	81·0	81·0	31·0	81·0	81·0	81·0	81·0
	17	82·7	82·8	82·0	81·5	81·5	81·7	81·2	81·3	80·5	80·3	80·7	80·8
	18	83·2	82·6	82·0	82·0	81·5	81·3	81·5	81·3	80·6	80·9	80·7	81·0
	19	82·0	82·3	81·8	81·8	81·9	82·0	81·6	81·7	81·5	81·2	81·3	81·2
	20	83·1	82·3	82·0	82·0	82·2	82·0	82·1	82·0	82·0	81·6	80·9	80·9
	21	85 0	84·3	83·7	83·0	82·8	82·7	82·7	82·4	82·3	82·0	82·0	81·9
	22												
	23	83·0	82·5	82·1	82·0	82·0	82·0	82·0	82·6	81·9	81·8	81·6	81·3
	24	84·7	84·2	83·0	82·5	82 0	82·0	82·0	82·0	82·0	81·8	81·3	81·1
	25	85·4	85·0	84·0	83·5	83·2	83·0	82·7	82·5	82·1	81·8	81·8	81·5
	26	85·8	85·0	84·0	83·9	83·3	83·0	82·9	82·8	82·5	82·0	81·9	81·8
	27	83·5	83·1	83·0	82·7	82·3	82·1	82·2	82·0	82·0	81·5	81·5	81·5
	28	85·9	83·0	82·9	82·5	82·5	82·4	82·0	82·0	82·2	82·0	81·0	80·4
	29	84·7	83·2	83·0	82·5	82·1	81·6	81·7	81·3	81·5	81·0	81·8	81·7
	30												
	31	84·3	84·1	83·7	83·2	83·0	83·0	82·5	82·4	82·2	82·0	81·9	81·0

LARGE HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
AUGUST, 1846.	1												
	2	15·570	15·870	15·910	15·952	16·070	16·200	16·577	16·401	16·550	16·092	15·637	15·490
	3	15·470	15·475	15·450	15·660	16·015	16·415	16·450	16·490	16·350	16·050	15·690	15·175
	4	15·480	15·570	15·737	16·312	16·150	16·520	16·615	16·870	16·745	16·170	15·890	15·715
	5	15·825	15·597	15·762	15·950	16·065	16·550	16·690	16·542	16·650	16·600	16·595	15·500
	6	15·790	15·620	16·075	15·210	15·375	15 295	15·240	15·500	15·425	15·425	15 020	14·750
	7	15·090	15·045	15·457	15 827	15·695	15·947	16·006	15·300	15·300	15·005	14·535	14·095
	8												
	9	15·282	15·350	15·515	15·372	15·802	16·230	15·900	16·157	16·050	15·950	15·395	15·210
	10	15·495	15·715	15·517	15·625	15·857	15·905	16·000	15·765	15·770	15·685	15·500	15·230
	11	15·525	15·552	15·655	15·530	15·582	16·095	16·565	16·250	16·315	16·210	15·825	15·550
	12	15·615	15·420	15·492	15·587	15·720	16 050	15·950	15·962	15·560	15·060	14 316	14·525
	13	15·180	15·230	15·225	15·525	15·580	15·307	15·300	15·245	15·040	15·040	14·900	14·750
	14	15·060	15·330	15·325	15·500	15·700	15·275	15·932	16·390	15·500	15·465	15·600	15·075
	15												
	16	15·620	15·560	15·662	15·694	16·060	16·177	15·930	15·640	15·700	15·260	15·500	15·320
	17	15·605	15·650	15 710	15·455	15·900	16·050	16·410	16·530	16·650	16·550	16·087	15·500
	18	15·580	15·642	15·755	15·905	16·062	15·855	16·210	16·300	16·100	16·002	15·760	15·425
	19	15 560	15·600	15·665	15·925	15·960	16·100	16·255	15·900	15 975	16·145	15·820	15·520
	20	15·750	15·850	15·580	15·952	16·215	16·550	16·750	16·650	16·435	16·245	15·670	15·475
	21	15·410	15·503	15·707	16·002	16·375	16·725	17·150	16·717	16·309	16 070	15 940	15·530
	22												
	23	16·090	15·852	15·980	16·260	16·660	17·000	17·200	17·045	16·770	16·405	16·285	16 000
	24	16·222	16·010	15·987	15·530	15·855	16·280	16·250	16·447	16·210	15·880	15·320	14·540
	25	15·675	15·930	15·880	15·572	15·637	15·785	15·975	15·050	15·960	15·670	15·332	15·460
	26	15·797	15·822	15·860	15·960	16·192	16·187	15·050	16·055	15·805	15·470	15·280	15·020
	27	15·992	15·285	15·390	15·500	15·755	16·097	16·352	16·752	16·747	16·410	15·575	15·550
	28	15·905	15·757	15·822	15·165	15·465	15·592	15·310	15·537	15·000	15·105	14·900	14·850
	29	15·825	16·100	15·867	16·017	16·560	16·800	16·650	16·950	16·605	16·680	16·275	15·695
	30												
	31	15·720	15·680	15·887	15·880	16·197	16·330	16·550	16·650	16·580	16·295	15·990	15·760

THERMOMETER OF LARGE HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
AUGUST, 1846.	1												
	2	81°·0	81°·2	81°·0	81°·0	82°·0	82°·5	83°·1	83°·9	84°·1	85°·0	85°·0	84°·9
	3	81·0	81·2	81·0	81·2	82·2	83·2	84·0	84·8	85·0	85·3	85·8	85·0
	4	81·5	81·4	81·2	81·4	82·0	83·0	83·8	83·1	83·0	84·0	84·8	84·0
	5	81·9	81·0	81·0	81·3	82·0	83·0	84·0	84·7	85·2	85·6	85·9	85·5
	6	81·5	81·5	81·1	81·1	82·0	82·3	83·2	84·0	83·8	84·5	84·9	85·3
	7	81·3	81·5	80·7	81·5	82·3	83·0	83·9	84·7	85·1	85·2	85·7	84·7
	8												
	9	81·4	80·8	81·0	81·2	81·4	82·3	82·2	83·5	83·9	84·0	84·8	85·0
	10	81·9	81·5	81·5	82·0	82·8	83·7	84·0	84·9	85·3	85·8	85·8	85·9
	11	82·6	82 3	82·1	81 8	81·5	82·2	83·0	84·0	84·7	84·7	85·0	84·0
	12	81·4	81·4	81·2	81·4	81·4	82·1	83·0	84·0	84·3	85·0	84·9	84·1
	13	81·8	81·5	81·5	81·5	82·3	82·9	83·2	84·2	85·1	85·5	85·9	85·2
	14	81·0	81·3	81·0	80·3	81·2	81·9	81·7	83·0	82·5	82·0	82·4	83·0
	15												
	16	81·0	81·0	81·0	81·0	82·3	83·1	83·0	83·5	84·0	82·5	81·8	82·1
	17	80 5	80·8	80·8	80·6	81·6	82·0	82·7	81·8	82·3	83·1	83·8	83·6
	18	81·0	81·0	81·0	80·4	81·0	82·0	82·9	84·0	83·9	82·6	82·8	81·9
	19	80·8	81·0	80·9	81·2	81·6	82·0	83·0	83·9	84·0	84·0	84·8	84·7
	20	81·0	81·0	81·0	80·9	81·8	82·4	83·2	84·3	84·0	83·2	84·6	84·9
	21	81·8	81·5	81·2	81·4	81·3	82·2	82·1	83·3	84·2	85·0	85·6	85·6
	22												
	23	81·2	81·0	81·0	81·2	81·2	81·0	82·1	83·5	84·3	84·7	84·9	84·5
	24	81·0	81·0	80·8	80·9	81·3	82·1	83·3	84·0	84·5	84·7	85·0	85·2
	25	81·2	81·0	81·0	81·4	82·3	83·5	84·0	84·9	85·3	85·8	85·9	85·9
	26	81·4	81·3	81·2	81·2	81·8	83·0	83·5	84·0	83·7	83·6	84·0	84·0
	27	81·1	81·4	81·2	82 0	83·0	84·0	84·8	84·8	85·0	85·5	86·0	85·1
	28	80·4	81·0	81·2	81·2	82·0	83·0	84·2	84·5	85·0	85·8	85·9	85·0
	29	81·2	81·3	81·2	81·7	83·0	83 7	84·2	85·0	84·9	83·4	83·0	82·4
	30												
	31	81·0	81·2	81·0	81·3	82·3	83·1	83·7	84·3	84·7	85·7	85·5	85·0

LARGE HORIZONTAL FORCE MAGNETOMETER

Date	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
SEPTEMBER, 1846.	1	15·750	15·625	15·520	15·322	15·390	15·320	15·450	15·412	15·607	15·720	15·720	15·835
	2	15·740	15·642	15·615	15·695	15·745	15·707	15·800	15·755	16·000	15·780	15·722	15·760
	3	15·460	15·555	15·655	15·752	15·730	15·800	15·902	15·872	15·920	15·975	16·050	16·325
	4	13·590	13·387	13·750	14·027	14·062	14·650	14·850	14·950	14·955	15·035	15·255	15·750
	5												
	6	14·270	14·365	14·512	14·800	14·915	14·927	15·240	15·250	15·430	15·522	15·430	15·400
	7	15·000	14·965	15·065	14·865	14·910	15·050	15·250	15·305	15·300	15 310	15·370	15·450
	8	13·900	13·860	14·245	14·372	14 332	14·100	14·150	15·050	15·010	15·305	15·040	15·140
	9	14·350	14·587	14·762	14·530	14·645	14·480	14·522	14·730	14·880	15·000	14·920	15·020
	10	15·195	15·255	15·325	15·432	15·682	15·230	15·152	15·175	15·460	15·190	15·400	15·630
	11	13·260	13 397	14·245	14·600	14·357	14·262	15·955	15·050	15·070	15·200	15·505	15 450
	12												
	13	15·267	15·200	15·310	15·500	15·500	15·505	15·605	15·650	15·690	15·650	16·155	15·900
	14	14·785	14·850	14·655	14·642	14·730	15·395	15·260	15·150	15·375	15·550	15·650	15·595
	15	14·840	14·640	14·967	15·030	14 820	15·025	15·245	15·300	15·400	15·587	15·500	15·815
	16	15·950	15·745	15·460	15·350	15·547	15·760	15·800	15·810	15·870	15·930	15·840	15·815
	17	15·607	15·500	15·632	15·840	15·935	15·980	15·680	15·875	15·875	16·050	16·120	16·210
	18	15·357	15·470	15·720	15·582	15·765	15·772	15·705	15·800	15·890	15·800	15·960	16·225
	19												
	20	16·010	16·122	16·225	16·297	16·300	16·337	16·365	16·475	16·690	16·585	16·670	16·500
	21	16·790	16·640	16·722	16·795	16·740	17·050	16·770	16·410	16·520	15·265	15·810	15·990
	22	12·050	11·900	12·275	12·170	12·162	11·975	12·050	12·925	14·600	14·250	14·675	14·510
	23	15·040	14·985	15·142	15·205	15·200	15·490	15·430	15·465	15·330	15·135	15·155	15·360
	24	15·150	15·190	15·210	15·307	15·260	15·290	15·390	15·422	15·705	15·500	15·655	15·470
	25	15·485	15·640	15·550	15·497	15·377	16·060	15·745	15·680	15·930	15·905	15·860	16·082
	26												
	27	15·470	15·490	15·487	15·480	15·680	15·895	15·882	15·945	16·000	16·015	16·515	16·265
	28	15·555	15·615	16·635	15·685	15·735	15·700	15·700	16·450	15·900	16·055	16·170	16·150
	29	15·870	15·930	15·860	15·807	15·950	15·950	16·012	16·280	16·227	16·020	16·150	16·245
	30	15·750	15·850	15·990	16·025	16·180	16·200	16·140	16·250	16·352	16·700	16·470	16·830
	31												

THERMOMETER OF LARGE HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
SEPTEMBER, 1846.	1	84°·1	83°·9	82°·9	82°·3	82°·7	82°·5	81°·7	81°·7	81°·8	81°·6	81°·4	81°·2
	2	85·2	84·8	83·0	83·0	83·0	83·0	83·0	82·7	82·5	82·1	82·0	82·0
	3	85·1	84·3	83·4	83·2	83·0	83·0	82·5	82.4	82·4	82·2	81·8	81·5
	4	86·1	85·2	84·2	83·7	83·3	83·2	83·0	83·0	82·5	82·3	82·1	82·0
	5												
	6	85·2	84·0	83·0	82·0	82·0	82·3	82·1	82·0	81·9	81·8	81·8	81·0
	7	85·2	85·0	84·0	83·4	83·0	83·1	82·7	82·3	82·3	82·0	81·9	81·9
	8	85·5	84·3	83·8	83·3	83·0	83·0	82·8	82·7	82·7	82·2	82·0	81·5
	9	84·8	84·0	83·0	83·0	82·7	82·7	82·2	82·3	81·5	81·8	81·7	81·7
	10	83·1	82·0	81·7	81·0	80·3	80·8	80·7	80·6	80·9	80·9	81·0	81·0
	11	84·1	83·7	83·0	82·4	82·0	82·0	82·2	82·0	81·7	81·5	81·5	81·5
	12												
	13	84·1	84·2	83·5	83·2	83·0	83·0	83·0	82·5	82·5	82·0	82·0	82·0
	14	84·8	84·0	83·3	82·7	82·5	82·7	82·7	82·1	81·7	81·9	81·8	81·8
	15	84·9	84·2	83·5	83·0	83·0	83·0	84·0	82·1	82·1	81·9	81·1	81.3
	16	82·9	82·6	82·3	82 3	82·0	81·7	81·9	81·8	81·7	81·3	81·3	81·3
	17	79·4	80·2	80·2	80·4	80·7	80·7	80·2	80·2	80·5	80·4	80·5	80·5
	18	84·0	83·6	83·0	82·0	81·9	81·7	81·8	81·8	81·7	81·5	80·9	80·0
	19												
	20	82·2	82 0	81·0	81·0	81·0	80·8	80·0	79·5	79·5	79·6	80·0	80·0
	21	80·9	79·8	78·8	79·0	79·2	79 5	79·6	79·7	79·7	79·5	79·3	79·2
	22	82·8	82·0	81·5	81·3	81·1	81·0	81·0	80·6	80·5	80·4	80·3	80·4
	23	83·6	83·3	82·0	81·9	81·8	81·5	81·5	81·3	81·0	80·9	80·9	80·8
	24	84·0	83·5	83·0	82·5	82·1	82·0	81·7	81·5	81·6	81·2	81·0	81·0
	25	85·0	84·6	83·5	83·0	82·8	82·5	82·1	82·0	81·6	81·4	81·1	81·0
	26												
	27	85·7	85·1	84·0	83·8	83·5	83·0	82·8	82·4	82·0	81·9	81·8	81·4
	28	85·2	84·8	83·8	83·3	83·0	83·0	82·7	82·3	82·0	81·9	81·9	81·8
	29	85·5	84·8	83·9	83·6	83·4	83·3	83·0	82·7	82·2	82·0	82·0	81·9
	30	85·0	84·2	83·4	83·0	82·8	82·7	82·7	82·6	82·3	82·0	81·8	81·8
	31												

LARGE HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
SEPTEMBER, 1846.	1	15·947	16·050	15·945	16·200	16·245	16·550	16·550	16·562	16·500	16·280	16·005	15·832
	2	15·855	15·905	16·102	16·210	16·367	16·702	16·902	16·600	16·145	15·900	15·780	15·595
	3	16·440	16·182	16·395	16·475	17·335	17·150	16·625	16·640	16·065	14·630	13·890	13·950
	4	15·770	15·855	15·532	15·520	15·850	16·150	16·400	16·020	15·525	15·475	14·550	14·175
	5												
	6	15·577	15·580	15·495	15·355	15·577	15·950	15·995	15·850	15·795	15·520	15·105	14·990
	7	15·530	15·555	15·402	15·280	15·300	15·510	15·890	15·490	15·100	14·650	14·425	14·230
	8	15·240	15·205	15·290	15·545	15·745	15·945	15·950	15·900	15·427	15·310	14·780	14·340
	9	15·100	15·097	15·050	14·970	15·197	15·675	16·005	15·937	15·655	15·360	15·270	15·190
	10	16·225	16·152	16·060	15·850	16·100	16·325	16·582	16·510	16·007	13·980	14·390	14·525
	11	15·480	15·260	15·545	15·527	15·487	15·955	16·345	16·557	16·050	15·285	15·205	14·900
	12												
	13	15·850	15·900	15·855	15·910	16·057	16·295	16·150	16·050	15·500	15·290	15·395	14·950
	14	15·710	15·740	15·685	15·845	16·000	16·255	16·150	16·065	16·050	15·595	14·810	15·092
	15	15·700	15·870	15·692	15·772	16·050	16·415	16·485	16·555	16·450	16·425	16·440	16·200
	16	15·910	15·955	15·710	15·815	15·950	16·200	16·650	16·900	16·860	16·600	15·845	15·650
	17	16·080	16·390	16·080	15·940	16·135	16·460	16·750	16·875	16·665	16·160	16·160	15·715
	18	16·235	16·370	16·235	16·350	16·500	16·840	16·930	16·900	16·900	16·525	16·250	16·025
	19												
	20	16·605	16·767	16·650	16·605	16·977	17·500	17·550	17·500	17·690	17·650	17·310	16·845
	21	15·790	16·400	15·980	15·405	15·910	15·625	15·710	15·110	14·575	14·130	13·250	12·110
	22	15·485	15·110	14·987	14·827	15·070	15·350	15·450	15·475	15·190	15·200	15·198	15·100
	23	15·452	15·695	15·400	15·340	15·275	15·890	16·040	16·300	16·050	15·750	15·345	15·010
	24	15·600	15·630	15·510	15·662	16·000	16·800	16·960	16·900	16·550	16·420	16·100	15·745
	25	16·060	16·177	16·260	16·090	16·765	17·202	17·135	17·105	16·900	15·685	15·640	15·495
	26												
	27	16·170	16·157	16·287	16·050	16·102	16·500	16·700	16·650	16·650	16·555	16·215	15·750
	28	16·120	16·295	16·085	15·917	16·062	16·312	16·500	16·550	16·850	16·600	16·330	15·985
	29	16·290	16·305	16·405	16·457	16·707	16·850	17·135	17·160	17·060	16·695	16·250	16·020
	30	16·505	16·662	16·680	16·692	16·957	16·750	16·895	16·600	16·245	16·155	15·960	15·505
	31												

THERMOMETER OF LARGE HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
SEPTEMBER, 1846.	1	81°·0	81°·2	81°·3	81°·3	82°·0	83°·3	84°·0	82°·5	84°·4	85°·0	85°·4	85°·2
	2	81·9	81·3	81·2	81·3	82·3	83·2	84·0	84·9	85·3	85·0	85·6	85·6
	3	81·5	81·3	81·2	81·5	82·2	83·3	84·0	85·0	86·0	85·8	86·0	86·1
	4	81·9	81·5	81·5	81·8	82·8	83·7	84·7	83·9	83·0	83·9	84·8	85·8
	5												
	6	81·1	81·2	81·0	81·2	81·8	83·0	83·5	84·1	85·1	85·3	85·9	85·8
	7	81·6	81·5	81·4	82·0	82·3	83·0	84·6	85·1	85·5	86·3	86·5	86·0
	8	81·5	81·5	81·5	81·8	82·9	84·0	84·9	85·9	86·8	86·9	86·6	85·6
	9	81·5	81·6	81·5	81·3	81·2	81·5	82·0	82·7	83·1	83·7	83·4	83·2
	10	81·0	81·0	81·0	81·0	81·2	82·9	82·0	83·7	84·6	85·0	85·1	84·9
	11	81·4	81·3	81·0	80·7	81·3	82·9	83·0	83·8	84·8	84·5	84·4	84·8
	12												
	13	81·9	81·8	81·9	82·0	82·3	83·0	83·9	84·9	84·7	84·5	84·9	85·1
	14	81·8	81·8	81·5	82·0	82·8	83·4	84·3	84·2	85·2	85·9	85·8	85·9
	15	81·3	81·3	81·3	82·0	82·3	83·0	83·8	84·2	83·9	83·8	82·9	82·7
	16	81·3	81·5	81·2	81·8	82·2	81·9	82·0	82·0	82·0	82·0	80·2	79·3
	17	80·4	80·2	80·0	80·5	80·8	81·7	82·9	83·9	84·0	83.6	83·8	84·3
	18	79·8	80·0	80·2	80·8	81·6	81·7	82·7	83·6	84·0	84·3	84·2	83·8
	19												
	20	80·0	80·0	79·7	80·0	77·9	79·0	80·4	79·6	79·4	80·0	80·3	81·0
	21	79·2	79·1	79·0	79·7	79·1	79·7	80·5	81·2	82·1	82·8	83·3	83·2
	22	80·0	79·7	79·9	80·2	80·4	81·8	82·9	83·6	82·9	83·4	83·9	84·0
	23	80·6	80·6	80·2	80·2	80·8	82·0	83·0	83·3	84·0	84·8	85·0	84·7
	24	80·9	81·0	80·7	80·6	81·3	82·7	83·9	84·2	84·8	84·8	85·1	85·4
	25	81·0	80·8	80·5	80·8	81·8	83·0	84·0	84·9	85·0	85·2	85·4	85·4
	26												
	27	81·2	81·3	81·0	81·0	81·5	83·3	84·5	85·0	85·5	85·6	85·8	85.9
	28	81·5	81·5	81·3	81·5	82·7	83·9	84·7	85·1	85·3	85·6	85·8	85·8
	29	81·8	81·6	81·6	81·8	82·5	83·7	83·6	84·0	85·0	85·5	85·8	85·0
	30	81·7	81·3	81·0	81·3	82·4	83·8	84·8	85·5	85·5	85·6	85·6	85·8
	31												

LARGE HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
OCTOBER, 1846.	1	15·760	16·052	15 782	15·677	15·800	15·575	15·995	15·625	16·500	16·240	16·255	16·225
	2	15·557	15·575	15·267	15·450	15·495	15·550	15·945	16·300	15·880	16·680	16·262	16·535
	3												
	4	15·350	15·550	15·515	15·490	15·300	15·725	15·815	15·950	16·010	16·010	16·085	16·130
	5	15·345	15·515	15·310	15·000	14·900	15·010	15 302	15·502	15·575	15·540	15·570	15·725
	6	15·027	15·000	15·197	15·165	15·095	15·350	15·300	15·500	15·475	15·755	15·655	15·640
	7	15·095	15·140	15·265	15·005	15·027	15·000	14·650	15·035	15·200	15·515	15·115	15·160
	8	13·305	11·732	11·985	12·785	12·200	13·465	14·355	14·000	13·975	14·330	14·470	14·680
	9	15·170	15·250	15·110	14·997	15·082	15·350	15·120	15·625	15·325	15·460	15·505	15·515
	10												
	11	14·340	15·100	14·930	14·610	14·670	14·750	14·850	15·000	15·082	15 245	15·035	15·530
	12	14·685	14·565	14·565	14·300	14·577	14·995	15·127	15·087	15·375	15·450	15·670	15·900
	13	15·200	15·310	15·372	15·367	15·435	15·245	15·325	16·177	15·890	15·895	16·177	16·040
	14	15·400	15·445	15·455	15·570	15·555	15·552	15·730	15·777	15·887	15·965	16·005	16·120
	15	15·655	15·710	15·795	15·790	15·800	15·655	15·570	15·600	15·700	15·750	15·850	15·895
	16	15·042	15·000	15·235	15·340	15·230	15·355	15·545	15·580	15·575	15 565	15·570	15·715
	17												
	18	15·700	16·055	15·800	15·500	15·060	14·950	15·200	15·450	15·577	15·700	15·840	15·915
	19	15·870	15·900	15·805	15·750	15·695	15·850	14·865	14·997	15·425	15·900	15·350	15·072
	20	15·290	15·400	15·210	15·252	15·060	15·605	15·427	15·625	15 925	15·980	15·967	15·775
	21	15·410	15·470	15·645	15·560	15·602	15·452	15·650	15·645	15·827	15·770	15·955	15·880
	22	15·405	15·485	15·185	15·132	14·875	16·000	16·350	15·950	15·560	15·985	15·850	16·040
	23	15·480	15·570	15·4 0	15·535	15·627	15·795	15·900	15·950	16·130	15·220	16·225	16·312
	24												
	25	15·865	15·770	15·902	15·967	16·062	16·075	16·100	16·350	16·425	16·245	16·260	16·300
	26	16·055	16·005	16·115	16·232	16·277	16·200	16·150	16·200	16·100	16·400	16·340	16·330
	27	16 270	16·220	16·332	16·235	16·165	16·180	16·302	16·400	16·400	16·755	16·550	16·660
	28	16·200	16·277	16·290	16·217	16·110	16·200	16·280	16·652	16·662	16·575	16·787	16·805
	29	15·870	16·040	16·095	16·095	16·120	16·100	16·377	16·497	16·655	16·530	16·520	16·525
	30	15·750	15·672	15·450	15·852	15·985	16 000	16·110	16·255	16·452	16·690	16·785	16·830
	31												

THERMOMETER OF LARGE HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
OCTOBER, 1846.	1	85·0	84°·3	83°·6	83°·2	83°·0	83°·0	82°·7	82°·5	82°·0	81°·6	81°·2	81°·2
	2	85·0	84·2	83·2	83·0	82·4	82·0	81.7	81·5	81·2	80·9	80·6	80·0
	3												
	4	85·8	85·0	85·0	84·8	84·3	83·9	83·5	83·3	83·0	82·9	82·8	82·6
	5	86·3	85·5	85·2	85·2	84·8	84·8	84·2	83·9	83·8	83·7	83·0	83·0
	6	86·7	86·0	84·8	84·4	84·2	84·4	84·0	84·0	84·0	83·8	83·6	83·6
	7	87·6	87·2	85·8	84·9	84·6	84·5	84·2	84·0	84·0	83·9	83·7	83·4
	8	87·1	87·0	86·4	86·1	84·8	83·6	83·9	83·6	83·4	83·0	82·8	82·6
	9	85·0	84·9	84·2	83·6	82·9	82·4	82·2	82 2	82·2	82·0	82·0	82·0
	10												
	11	86·4	86·0	85·3	85·2	85·0	84·8	84·0	84·3	84·0	83·6	83·4	82·9
	12	87·0	86·7	85·8	85·4	85·2	85·0	84·7	84·2	84·0	83·3	83·0	82·4
	13	86·9	86·2	85·2	82·8	84·4	84·1	83·5	82·7	82·4	82·5	82·0	81·7
	14	86·0	85·7	85·0	84·5	84·0	83·5	83·0	83·0	82·7	82·6	82·0	82·0
	15	88·6	87·8	86·8	86·4	86·0	85·7	85·3	85·0	84·8	84·3	84·0	84·2
	16	87·0	86·5	86·0	85·8	85·8	85 8	85·7	85·0	84·7	84·6	84·7	84·4
	17												
	18	89·0	88·0	87·4	87·2	86·9	86·6	86·3	85·8	85·0	84·9	84·7	84·2
	19	87·6	87·1	86·4	86·0	85·7	85·7	85·6	85·1	84·8	84·1	84·0	83·2
	20	87·9	86·9	86·2	86·0	85·8	85·0	84·5	84·5	84·2	83 9	83·7	83·2
	21	88·0	86·8	86·0	85·9	85·8	85·0	81·8	84·8	84·5	84·0	83·9	83·4
	22	85·9	85·3	85·0	84·6	84·0	83·5	83·3	83·0	82·7	82·6	82·8	82·0
	23	87·0	86·5	85·6	85·0	84·0	84·3	84·2	84·0	84·0	83·2	83·0	82·8
	24												
	25	85·7	84·9	84·2	83·9	83·5	83·2	83 0	82·0	83·0	82·8	82·1	82·0
	26	85·7	84·4	83·8	83·4	83·0	83·0	83·0	83·0	82·8	82 3	82·0	81·9
	27	84·8	83·8	8 ·2	82·9	82·5	82·5	82·2	82·0	82·0	81·2	80·9	80·8
	28	85·2	84·2	83·5	83·1	83·3	83·0	82·7	82 1	81·7	81·5	81·2	81·1
	29	85·6	84·5	83·8	83·3	83·0	82 7	82 2	81·7	81·5	81·2	81·0	81·0
	30	85·0	84·0	83·4	83·2	83·0	83·0	82·7	82·2	81 5	80·9	80·5	80·0
	31												

LARGE HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
OCTOBER, 1846.	1	16·255	16·312	16·307	16·205	16·290	16·510	16·790	16·950	16·650	16·585	16·240	15·720
	2	16·610	16·482	16·150	15·645	15·900	16·000	15·850	15·840	15·650	15·550	15·350	14·990
	3												
	4	16·075	16·030	15·945	15·900	16·110	16·550	16·800	16·750	16·462	16·125	15·720	15·390
	5	15·652	15·650	15·635	15·655	15·785	16·250	16·500	16·550	16·300	15·750	15·310	15.008
	6	16·020	15 667	15·715	15·665	15·965	15·950	16·050	15·925	15·995	15·675	15·330	15·060
	7	15·550	15·477	15·297	15·390	14·560	14·060	13·645	13·850	14·060	13·695	14·170	14·250
	8	14·720	14·835	14 985	15·345	15·520	15·840	15·700	15·600	15·700	15·760	15·610	15·290
	9	15·450	15·612	15·510	15·635	15·465	15·700	15·900	15·550	15·350	14·890	14·750	14·125
	10												
	11	15·400	15·345	15·240	15·260	15·162	15·750	15·825	15·900	15·725	14·770	14·200	14·620
	12	15·850	15·982	15·972	15·650	15·867	16·200	16·200	16·275	16·250	16·055	15·560	15·360
	13	16·230	16·462	16·245	16·105	16·560	16·850	16·925	16·845	16·850	16·445	16·060	16·610
	14	16 215	16·257	16·405	16·212	16·425	16·550	16·600	16·710	16·570	16·190	15·810	15·630
	15	15·820	16·150	15·890	15·890	15·840	16·350	16·515	16·700	16·400	15·790	15·120	15·010
	16	15·640	15·750	15·860	15·975	16·220	16·710	16·900	16·715	16·500	16·145	15·710	15·380
	17												
	18	16·000	15·985	16·072	16·040	16·602	16·800	16·950	17·150	17·050	16·735	16·340	16·095
	19	15·945	15·832	15·850	16·165	15·832	16·060	16·162	16·300	16·550	16·260	15·860	15·255
	20	16·245	16·310	16·342	16·620	16·832	17·050	16·202	17·150	16·850	16·415	15·985	15·815
	21	16·100	16·190	16·275	16·065	16·450	16·300	16·397	16·550	16·400	16·060	15·047	15·340
	22	16·255	16·290	16·300	16·110	16·262	16·500	16·605	16·600	16·255	15·820	15·350	15·295
	23	16·430	16·507	16·442	16·355	16·610	16·655	16·500	16·455	16·350	16·252	16·055	15·840
	24												
	25	16·800	16·505	16·397	16·250	16·500	16·850	17·050	16·940	16·750	16·375	16·120	16·120
	26	16·500	16·545	16·805	16·850	17·162	17·450	17·560	17·690	17·475	17·070	16·670	16·360
	27	16·595	16·595	16·750	16·725	17·070	17·410	17·495	17·377	17·150	16·737	16·435	16·345
	28	16·740	16·675	17·015	16·965	17·600	17·250	17·350	17·150	16·850	16·400	15·925	15·760
	29	16·610	16·850	16·912	17·027	17·200	17·005	17·100	17·200	17·180	17·010	16·615	16·292
	30	17·095	16·917	17·295	17·120	17·260	17·250	17·355	17·150	16·737	16·400	16·180	16·250
	31												

THERMOMETER OF LARGE HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
OCTOBER, 1846.	1	81°·0	81°·3	81°·0	81°·0	82°·2	84°·0	84°·5	84°·5	84°·9	85°·0	85°·3	85°·0
	2	79·8	79·5	79·4	80·1	81·9	83·5	84·8	85·0	85 2	84·5	84·8	85·2
	3												
	4	82·5	82·3	82·2	82·8	83·8	85·0	86·0	86·0	86·5	86·9	87·0	86·8
	5	83·0	83·0	82·4	82·7	83·2	85·2	87·0	87·8	88·2	88·1	87·7	87·1
	6	83·4	83·4	83·3	83·7	84·8	86·0	86·5	87·0	87·6	87·8	87·8	88·0
	7	83·2	83·3	83·2	83·3	83·8	84·7	85·8	86·6	87·0	87·3	87·9	88·0
	8	82·2	82·3	82·0	82·1	82·7	84·0	85·0	85·1	85·7	85·4	85·7	85·2
	9	82·2	82·2	82·1	82·0	82·3	83·0	84·0	85·2	86·0	86·0	86·3	86·6
	10												
	11	82 8	82·9	82·7	83·0	83·9	84·8	85·8	85·8	86·7	87·0	87·5	87·5
	12	82·0	82·0	82·0	82·0	82·9	84·2	85·5	85·8	85·8	86·0	86·6	87·0
	13	81·0	81·0	81·0	81·0	81·9	83·1	84·5	85·0	85·9	86·0	86·2	86·5
	14	81·9	81·6	81·5	82·0	83·1	84·8	85·9	87·0	87·5	88·0	88·7	89·0
	15	84·0	84·0	84·0	84·0	84·0	84·0	85·0	85·9	87·3	88·9	87·9	87·3
	16	84·0	84·0	84 0	84·0	84·5	85·3	86·7	88·0	88·5	88·1	88·4	88·5
	17												
	18	84·1	84·1	84·0	84·2	85·3	86·8	87·3	87·2	87·1	87·2	87·4	87·7
	19	83·6	83·0	83·0	83·0	84·1	85·9	86·9	87·6	87·8	87·9	87·9	88·0
	20	82·9	82·3	82·0	82·3	83·6	85·2	86·9	88·0	88·8	89·0	89·1	89·0
	21	83·1	82·9	82·5	82·2	83·3	85·0	86·3	86·3	86·7	87·0	86·7	86·0
	22	81·8	81·5	81·4	81·7	83·2	84·5	85·3	86·2	87·0	87·7	87·9	87·6
	23	82·0	82·0	81·9	82·0	82·9	84·5	85·9	86·5	87·0	86·9	87·2	87·4
	24												
	25	82·0	82·0	82·0	82·2	83·2	85·0	85·0	85·3	86·0	86·0	86·0	85·8
	26	81·9	81·6	81·4	81·8	83·0	83·9	84·2	85·0	85·2	85·6	85·7	85·3
	27	80·8	80·4	80·3	80·8	81·8	83·3	84·6	85·0	85·7	85·9	85·9	85·6
	28	81·1	80·8	79·7	79·9	81·4	83·3	84·7	85 5	85·8	85·9	86·2	86·0
	29	80·6	80·2	80·0	80·1	81·4	83·3	84·9	85·5	81·6	85·0	85·6	86·0
	30	79·9	79·2	78·8	79·0	80·9	83·0	84·5	85·8	83·0	85·8	85·5	86·3
	31												

LARGE HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
NOVEMBER, 1846.	1	15·640	15·850	15·850	15·935	16·230	16·450	16·455	16·540	16·825	16·955	16·820	16·835
	2	15·505	14·760	14·550	14·755	15·160	15·350	15·150	15·595	15·500	15·690	16·085	15·900
	3	15·520	15·162	14·885	15·530	15·460	15·700	15·750	15·850	15·950	16·077	16·235	16·285
	4	15·820	16·110	15·992	15·925	15·907	15·875	15·855	16·022	16·110	16·120	16·235	16·105
	5	15·970	15·885	15·945	15·955	16·000	15·950	16·000	16·147	16·175	16·110	16·215	16·290
	6	16·380	16·140	16·350	16·310	16·270	16·200	16·200	16·300	16·400	16·300	16·270	16·370
	7												
	8	15·700	15·600	15·745	15·735	15·782	15·810	15·977	15·975	16·310	16·230	16·350	16·365
	9	16·090	16·220	16·065	16·150	16·135	16·150	16·375	16·372	16·730	16·465	16·720	16·720
	10	15·940	16·030	16·165	16·335	16·370	16·500	16·700	16·872	16·950	17·017	17·010	17·125
	11	16·530	16·630	16·630	16·650	16·450	16·350	16·575	16·375	16·620	16·710	17·270	16·980
	12	16·100	16·400	16·347	16·332	16·377	16·425	16·525	16·575	16·647	16·855	16·865	16·935
	13	16·590	16·605	16·580	16·525	16·435	16·455	16·425	16·560	16·725	16·785	17·125	17·215
	14												
	15	16·150	16·225	16·390	16·365	10·405	16·425	16·545	16·650	16·830	16·910	17·080	17·065
	16	16·480	16·500	16·487	16·477	16·545	16·625	16·702	16·995	17·025	17·350	17·430	17·760
	17	17·130	17·050	16·800	16·667	16·870	17·425	16·100	15·650	14·975	15·250	15·725	15·875
	18	15·475	15·700	15·800	15·635	15·460	15·600	16·100	16·262	16·325	16·370	16·120	16·525
	19	16·200	16·350	16·422	16·452	16·477	16·775	16·825	16·825	16·975	16·835	16·915	17·065
	20	16·590	16·697	16·800	16·827	16·882	16·350	16·625	16·975	16·900	16·950	17·125	17·350
	21												
	22	16·750	16·765	16·910	16·900	16·900	16·950	17·100	17·052	17·250	17·345	17·445	17·420
	23	16·320	16·450	16·710	16·772	16·825	16·892	17·007	17·207	17·170	17·300	17·347	17·315
	24	16·745	16·825	16·900	16·860	17·025	17·000	17·150	17·300	17 445	17·575	17·580	17·650
	25	16·810	16·902	17·215	17·310	17·362	17·525	17·575	17·650	17·700	17·980	18·120	18·170
	26	17·830	17·872	17·295	16·262	15·650	15·450	14·875	15·650	16·420	16·295	16·900	16·745
	27	16·110	15·940	16·400	16·235	16·150	16·250	16·372	16·750	16·700	16·650	16·695	16·675
	28	15·770	15·950	16·107	16·145	16·005	16·100	16·150	16·105	16·090	16·370	16·407	16·507
	29												
	30	16·385	16 150	16·220	16·500	16·110	16·200	16·350	16·515	16·442	16·480	16·445	16·510
	31												

THERMOMETER OF LARGE HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
NOVEMBER, 1846.	1	85°·4	84°·7	83°·7	83°·2	83°·1	83°·0	82°·9	82°·7	82°·0	81°·2	81°·2	81°·0
	2	89·0	88·0	87·0	86·3	85·7	85·2	85·0	84·7	84·5	84·0	83·4	83·2
	3	87·1	86·3	85·6	85·4	85·0	84·7	84·3	84·0	83·7	83·1	82·9	82·8
	4	86·7	85·5	85·0	84·7	84·4	84·0	84·0	83·5	83·0	82·9	82·9	82·2
	5	84·8	84·0	83·5	83·2	83·3	83·5	83·5	83·3	83·1	83·0	82·9	82·9
	6	84·4	84·0	83·3	83·2	83·2	83·0	83·0	82·5	82·0	82·0	82·4	82·1
	7												
	8	86·9	85·4	84·4	83·9	83·8	83·0	82·7	8 ·5	82·5	81·9	81·0	81·0
	9	85·8	84·3	83·7	83·2	83·0	82·3	82·0	81·5	81·3	81·1	80·9	80·4
	10	86·7	84·8	83·9	83·5	83·0	82·6	81·9	81·0	80·7	80·4	79·6	79·2
	11	85·5	84·4	83·8	83·3	83·0	82·2	81·7	81·0	81·0	80·8	80·0	79·0
	12	87·0	85·2	84·0	83·4	83·2	83·0	82·0	82 0	82·0	81·5	81·0	80·0
	13	87·0	85·3	84·4	84·0	83·6	83·9	82·0	81·3	81·5	81·0	80·9	80·4
	14												
	15	86·5	85·4	84·0	83·4	83·2	82·9	82·2	81·3	81·0	80·8	80·0	79·9
	16	86·5	85·0	83·5	83·0	82·6	82·0	81·5	81·0	80·5	79·9	79·6	79·1
	17	85·0	84·0	83·0	82·4	82·0	81·3	80·5	80·2	80·0	79·4	79·0	78·8
	18	86·0	84·2	83·1	82·3	82·0	81·2	80·5	80·0	80·0	79·6	79·4	79·0
	19	84·8	83·0	82·2	81·7	81·4	80·5	80·0	80·0	79·9	79·4	79·0	78·9
	20	83·4	82·0	81·1	80·7	80·5	80 0	79·5	79 5	79·5	79 0	78·8	78·4
	21												
	22	85·4	83·9	82·8	82·0	81·6	81·0	80·0	79·5	79·0	78·8	78·5	78·0
	23	86·1	84·4	83·0	82·5	82·0	81·5	80·8	80·0	80·0	79·8	79·4	78·9
	24	85·0	83·2	82·3	81·7	81·4	80·7	79·9	79·0	78·5	78·7	78·2	78·0
	25	85·2	83·0	81·0	80·3	79·6	79·0	78·0	77·6	77·0	76·8	76·4	75·8
	26	84·4	83·0	81·7	81·1	80·8	80·4	79·8	79·5	79·5	79·0	79·2	79·6
	27	85·9	84·3	83·4	83·2	83·2	82·9	82·8	82·5	82·3	82·0	81 9	81·8
	28	88·0	86·9	85·6	85·2	84·6	84·2	84·0	83·5	83·1	82·9	82·5	82·2
	29												
	30	86 0	85·4	85·2	84·8	84·3	84·0	83·9	83·9	83·8	83·6	83·1	82·9
	31												

LARGE HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
NOVEMBER, 1846.	1	16·950	17·057	17·140	17·220	17·332	17·495	17·550	17·650	17·350	16·980	16·520	16·060
	2	15·920	15·990	16·105	16·272	16·490	16·750	16·750	16·850	16·550	16·160	15·620	15·530
	3	16·320	16·380	16·445	16·590	16·960	17·400	17·377	17·400	16·975	16·560	16·320	15·830
	4	16·130	16·305	16·425	16·535	16·805	17·025	17·250	17·350	16·300	16·520	16·220	16·010
	5	16·205	16·357	16·562	16·940	17·360	17·655	17·750	17·557	17·350	16·985	16·680	16·495
	6	16·500	16·580	16·590	17·062	17·127	17·500	17·550	17·450	17·237	16·900	16·635	16·290
	7												
	8	16·380	16·530	16·995	17·090	17·415	17·600	17·700	17·700	17·350	16·975	16·400	16·200
	9	16·765	16·750	16·927	17·465	17·650	17·950	18·055	18·105	17·695	17·135	16·620	16·205
	10	17·195	17·290	17·490	17·755	17·975	18·200	18·330	18·315	17·955	17·465	17·110	16·710
	11	17·015	17·150	16·900	17·370	17·660	17·650	17·612	17·560	17·375	16·925	16·440	16·090
	12	17·030	17·190	17·507	17·672	17·987	18·250	18·400	18·450	18·200	17·710	17·160	16·800
	13	17·335	17·500	17·655	17·605	17·860	17·850	17·900	18·250	17·910	17·370	16·740	16·300
	14												
	15	17·160	17·285	17·467	17·680	17·955	18·040	18·000	17·845	17·750	17·350	17·060	16·695
	16	17·855	17·940	17·980	18·737	18·740	18·750	18·700	18·615	18·260	18·010	17·670	17·430
	17	16·300	16·537	16·830	17·875	17·800	17·375	17·112	16·490	16·400	15·980	15·600	14·750
	18	16·655	16·732	16·930	17·220	17·450	17·700	17·700	17·515	17·425	17·160	16·800	16·250
	19	17·100	17·347	17·420	17·850	18·095	18·350	18·620	18·307	18·160	17·610	17·150	16·830
	20	17·445	—	17·660	17·645	17·802	17·880	17·850	17·700	17·475	17·120	16·880	16·745
	21												
	22	17·550	17·805	17·975	18·010	18·070	18·105	17·950	17·750	17.450	17·325	16·995	16·455
	23	17·510	17·692	18·072	18·370	18·662	18·862	18·750	18·400	18·050	17·690	17·250	16·880
	24	17·615	17·777	18·080	18·330	18·600	18·750	18·600	18·350	17·850	17·490	17·170	16·980
	25	18·305	18·395	18·470	18·600	18·780	18·850	18·825	18·600	18·450	17·950	17·810	17·875
	26	17·050	16·610	16·597	16·737	16·775	16·800	16·800	16·825	16·250	16·050	16·155	16·310
	27	17·040	16·842	17·010	17·405	17·050	17·200	16·950	16·810	16·550	16·090	15·835	15·670
	28	16·655	16·612	16·937	17·062	17·350	17·300	17·350	17·150	17·010	16·650	16·440	16·180
	29												
	30	16·680	16·845	17·002	17·255	17·452	17·550	17·400	17·035	16·855	16·515	16·085	15·955
	31												

THERMOMETER OF LARGE HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
NOVEMBER, 1846.	1	80°·9	80°·5	80°·5	81°·1	82°·2	83°·5	85°·0	86°·2	87°·8	88°·0	88°·6	89°·2
	2	83·0	82·7	82·3	82·5	83·2	84·8	86·0	86·2	87·0	87·1	87·3	87·5
	3	82·2	82·2	82·0	82·6	83·6	85·1	86·0	86·9	87·0	87·0	87·3	87·0
	4	82·0	81·6	80·8	81·0	82·3	84·6	85·8	86·0	85·9	85·8	85·9	85·6
	5	82·3	82·0	81·0	80·7	81·9	83·6	84·5	84·4	84·5	84·8	84·8	85·0
	6	81·9	81·8	81·3	81·7	82·3	84·4	85·5	85·0	85·2	85·5	85·5	85·8
	7												
	8	80·9	80·4	79·9	79·4	80·6	82·3	83·9	85·0	86·0	86·7	86·6	86·3
	9	80·1	80·0	79·0	79·3	80·6	82·5	83·9	85·0	86·7	87·8	88·0	87·9
	10	79·0	79·0	78·5	78·9	80·4	82·3	83·9	84·9	86·5	86·9	86·4	86·2
	11	79·3	78·9	78·7	79·0	80·2	81·5	83·5	84·9	86·0	87·3	88·6	88·1
	12	79·9	79·9	79·3	79·8	81·3	83·0	84·0	84·6	86·0	87·4	88·0	87·8
	13	80·0	79·5	79·3	79·8	81·3	82·7	83·9	84·9	86·5	87·5	87·5	87·4
	14												
	15	79·2	79·0	78·3	79·0	80·5	82·0	83·8	84·9	85·9	86·3	87·0	87·4
	16	78·9	78·4	78·0	78·0	79·3	81·0	82·5	83·5	85·9	85·4	85·4	85·4
	17	78·0	77·7	77·5	78·0	79·3	81·3	82·7	83·0	84·2	85·1	85·9	86·1
	18	78·6	78·0	77·9	78·0	79·8	80·7	82·0	83·0	83·7	84·5	85·0	85·0
	19	78·4	78·0	77·5	77·6	79·0	80·0	82·6	83·3	84·0	84·3	84·4	84·0
	20	77·9	—	77·3	77·4	79·0	81·0	82·6	83·5	83·9	84·1	84·0	84·0
	21												
	22	77·8	77·5	77·2	77·6	79·0	80·5	82·0	83·9	85·0	85·5	87·0	87·0
	23	78·4	78·0	77·2	77·3	78·5	80·0	81·2	83·0	84·0	85·4	86·0	86·0
	24	77·9	77·4	77·0	77·0	78·5	80·5	82·0	84·0	85·0	85·2	86·0	85·8
	25	75·2	75·2	74·6	74·4	76·2	74·4	80·0	82·0	83·5	84·9	84·8	84·8
	26	79·6	79·5	79·2	79·0	80·8	83·2	85·3	87·0	88·0	88·5	87·9	86·8
	27	81·4	81·4	81·0	81·0	82·7	82·7	85·7	86·6	88·0	88·3	88·9	88·4
	28	82·0	81·9	81·5	81·7	83·0	83·0	85·2	86·0	86·0	86·8	87·4	87·3
	29												
	30	82·0	82·0	81·7	81·8	83·0	84·1	85·5	86·4	87·5	88·0	88·2	88·0
	31												

LARGE HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
DECEMBER, 1846.	1	16·080	16·225	16·310	16·345	16·457	16·530	16·850	17·227	17·007	16·985	17·105	17·065
	2	16·290	16·350	16·310	16·537	16·687	16·975	16·975	16·950	17·037	17·040	17·150	17·430
	3	16·800	16·900	16·845	16·955	17·100	17·275	17·450	17·535	17·577	17·785	17·765	17·760
	4	16·545	16·417	16·700	16·600	16·330	16·152	16·325	16·750	16·845	17·000	17·255	17·270
	5												
	6	17·147	17·200	17·267	17·415	17·510	17·510	17·425	17·875	18·002	17·977	18·060	18·310
	7	17·320	17·260	17·400	17·507	17·545	17·425	17·695	17·975	18·005	18·125	18·270	18·290
	8	17·085	17·000	17·215	17·230	17·300	17·375	17·400	17·500	17·505	17·640	17·650	17·600
	9	16·845	16·775	16·847	16·977	16·970	17·100	17·187	17·172	17·125	17·145	17·645	17·725
	10	16.330	16·387	16·250	16·537	16·402	16·750	17·125	17·027	17·000	17·037	17·380	17·110
	11	16·380	16·252	16·490	16·340	16·480	16·572	16·700	16·730	16·820	17·115	17·045	17·240
	12												
	13	17·150	17·110	17·182	17·312	17·375	17·470	17·477	17·600	17·580	17·950	17·850	17·820
	14	17·220	17·160	17·305	17·440	17·470	17·550	17·550	17·575	17·747	17·830	17·850	18·190
	15	17·655	17·800	18·010	18·010	18·052	17·980	17·955	18·000	18·050	18·020	18·090	18·080
	16	17·635	17·690	17·740	17·800	17·800	17·850	17·970	18·100	18·115	18·220	18·370	18·350
	17	17·400	17·550	17·767	17·890	17·952	18·100	18·182	18·125	18·175	18·210	18·135	18·190
	18	17·670	17·560	17·570	17·607	17·792	17·962	17·975	18·245	18·185	18·155	18·040	18·172
	19												
	20	17·652	17·772	17·890	17·940	18·077	18·225	18·152	18·248	18·320	18·400	18·465	18·512
	21	17·980	17·850	17·772	18·157	18·080	18·257	18·287	18·432	18·480	18·635	18·675	18·755
	22	17·725	17·662	17·892	18·105	18·185	18·350	18·495	18·500	18·577	18·650	18·480	18·520
	23	18·150	18·277	18·355	18·190	17·960	17·597	18·400	18·450	17·950	18·110	18·485	18·400
	24	17·550	17·645	17·670	17·665	18·150	17·900	17·840	18·550	18·450	18·380	18·600	18·830
	25	18·080	17·650	17·770	17·902	17·960	17·650	17·980	18·202	18·545	18·680	18·480	18·535
	26												
	27	18·017	17·937	18·075	18·065	17·900	17·900	18·200	18·275	18·360	18·232	18·500	18·632
	28	17·610	17·440	17·400	17·510	17·607	17·885	18·235	18·125	18·350	18·5 0	18·460	18·545
	29	17·510	17·740	17·870	17·812	17·847	18·000	18·050	18·100	18·470	18·490	18·465	18·465
	30	17·340	17·400	17·572	17·640	17·747	17·745	17·775	17·925	18·002	18·000	18·085	18·155
	31	17·410	17·435	17·500	17·520	17·710	17·850	17·975	18·150	18·275	18·317	18·532	18·575

THERMOMETER OF LARGE HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
DECEMBER, 1846.	1	87°·3	86°·0	85°·0	84°·3	84°·0	83°·2	82°·9	82°·3	82°·0	81°·2	81°·0	80°·8
	2	85·6	84·0	83·0	82·8	82·2	82·0	81·5	80·8	81·0	80·9	80·0	79·8
	3	84·3	83·0	82·2	81·8	81·2	80·4	79·8	79·2	79·0	78·4	78·4	78·4
	4	84·9	83·2	82·5	82·0	81·5	81·0	80·0	79·7	79·5	79·4	79·0	79·0
	5												
	6	84·0	82·2	81·0	80·0	80·0	79·5	78·7	77·7	77·7	77·7	77·0	76·0
	7	83·5	82·2	80·9	80·3	80·0	79·8	79·0	78·0	77·8	77·0	76·8	76·8
	8	86·4	85·3	84·3	83·8	83·0	82·6	82·4	82·4	82·0	81·8	81·5	81·0
	9	86·8	85·2	84·0	83·2	83·1	82·7	82·2	82·0	81·7	81·4	81·2	81·4
	10	86·0	85·6	83·4	82·6	82·3	81·6	81·0	81·0	81·0	81·0	80·9	80·7
	11	85·9	84·6	83·3	83·0	82·6	82·0	82·0	81·7	82·0	81·7	81·2	80·5
	12												
	13	84·2	82·8	81·7	81·0	80·8	80·0	79·5	78·5	78·0	77·5	77·0	76·8
	14	83·8	82·9	81·9	81·5	81·0	80·8	79·9	79·5	79·2	78·8	78·1	77·8
	15	83·2	82·0	81·2	81·0	80·5	80·0	80·2	80·3	80·1	79·9	79·6	79·0
	16	84·7	83·6	82·8	82·0	81·4	81·0	80·3	80·0	79·7	79·1	79·1	79·0
	17	85·7	83·3	82·0	81·3	81·0	80·7	80·0	80·0	79·8	79·4	79·6	79·6
	18	84·8	83·9	82·7	81·7	81·0	80·5	80·0	80·0	80·1	80·2	80·0	79·7
	19												
	20	85·2	83·2	82·0	81·0	80·7	80·2	79·7	79·6	79·5	79·0	78·8	78·6
	21	84·0	83·0	81·8	81·2	80·5	80·0	79·5	79·0	79·0	78·4	78·0	77·7
	22	84·9	83·2	82·0	81·4	81·0	80·5	79·7	79·4	78·7	78·2	78·4	78·0
	23	81·3	80·0	79·0	78·8	78·5	78·5	77·6	77·5	77·0	76·7	76·8	76·6
	24	83·3	82·1	81·1	80·0	79·4	79·0	78·1	77·5	76·8	76·6	76·0	75·6
	25	82.5	81·4	80·3	79·8	79·4	79·0	78·0	77·0	77·0	76·6	76·0	75·9
	26												
	27	83·3	82·0	81·0	80·3	79·9	79·2	78·2	77·5	77·5	77·4	76·9	76·3
	28	85·0	83·5	82·0	81·4	80·0	79·9	79·0	78·8	78·0	77·8	77·0	77·0
	29	84·4	83·1	82·0	81·2	80·6	80·0	79·5	79·0	78·5	77·9	77·7	77·2
	30	86·7	85·3	83·5	82·3	81·8	81·5	81·3	80·2	80·0	79·9	79·4	78·9
	31	86·8	85·2	83·3	82·0	81·6	81·1	80·9	80·3	79·8	79·5	79·2	79·0

LARGE HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
DECEMBER, 1846.	1	17·290	17·475	17·745	17·625	17·880	17·850	17·800	17·625	17·110	16·775	16·355	16·040
	2	17·410	17·480	17·630	18·127	18·112	18·100	18·050	17·890	17·675	17·380	17·095	16·880
	3	17·805	18·037	18·205	18·787	19·000	19·090	18·800	18·350	17·945	17·440	17·010	16·870
	4	17·425	17·592	17·625	18·447	18·525	18·600	18·355	18·150	17·850	17·570	17·310	16·940
	5												
	6	18·390	18·520	18·467	18·530	18·965	19·122	19·000	18·900	18·600	18·140	17·655	17·510
	7	18·310	18·355	18·305	18·585	18·687	18·750	18·650	18·505	18·190	17·760	17·460	17·250
	8	17·690	17·732	17·625	18·022	18·165	18·255	18·352	18·137	17·900	17·520	17·250	16·990
	9	17·335	16·902	17·182	17·350	17·270	17·350	17·350	17·150	16·902	16·830	16·680	16·410
	10	17·240	17·377	17·512	17·857	17·882	17·800	17·700	17·545	17·350	17·109	16·850	16·510
	11	17·230	17·292	17·700	18·380	18·052	18·020	18·050	18·200	17·650	17·515	17·340	17·120
	12												
	13	17·935	18·250	18·372	18·722	18·837	19·275	19·250	18·950	18·580	18·110	17·730	17·445
	14	18·120	18·220	18·515	18·672	19·000	18·900	18·750	19·000	18·702	18·660	18·380	17·860
	15	18·160	18·327	18·512	18·787	19·200	19·300	19·250	18·950	18·650	18·300	18·080	17·840
	16	18·505	18·535	18·715	18·705	18·930	18·945	18·750	18·550	18·200	17·920	17·690	17·590
	17	18·230	18·297	18·522	18·895	18·955	18·950	19·000	19·100	18·820	18·320	17·850	17·635
	18	18·150	18·390	18·472	18·627	18·880	19·050	19·050	19·050	18·615	18·235	17·930	17·650
	19												
	20	18·610	18·612	18·760	19·160	19·302	19·495	19·500	19·340	19·115	18·800	18·430	18·120
	21	18·632	18·790	18·667	19·015	19·005	19·140	18·950	18·825	18·650	18·310	18·190	17·910
	22	18·460	18·670	18·805	18·637	19·030	19·050	19·240	18·995	18·937	18·740	18·500	18·190
	23	18·270	18·915	18·940	18·592	18·270	17·850	18·190	18·352	18·190	17·850	17·615	17·500
	24	18·930	19·085	19·150	18·725	19·065	19·050	19·300	19·150	18·750	18·630	18·350	18·200
	25	18·740	18·662	18·792	18·957	19·142	19·195	19·145	19·000	18·745	18·435	18·140	17·960
	26												
	27	18·650	18·637	18·685	18·845	19·030	18·922	18·910	18·900	18·610	18·200	18·200	17·830
	28	18·585	18·725	18·725	18·992	19·040	18·800	18·750	18·460	18·055	17·810	17·500	17·460
	29	18·620	18·780	18·925	19·237	19·275	19·350	19·175	18·950	18·550	18·250	17·870	17·560
	30	18·250	18·407	18·462	18·772	18·970	18·900	18·800	18·750	18·550	18·250	17·870	17·620
	31	18·705	18·730	18·940	18·965	19·035	19·100	19·050	18·990	18·900	18·580	18·190	17·840

THERMOMETER OF LARGE HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
DECEMBER, 1846.	1	80°·2	79°·4	79°·0	80°·0	81°·0	82°·3	83°·3	84°·0	84°·9	85°·3	85°·7	85°·8
	2	79·8	79·4	78·5	78·3	80·0	81·7	83·0	84·0	84·1	84·8	85·0	85·0
	3	77·8	77·2	77·2	77·2	78·4	80·7	82·1	83·5	84·5	84·8	85·0	85·2
	4	78·8	78·3	78·0	78·0	79·5	81·6	83·1	84·0	85·1	85·6	86·1	85·9
	5												
	6	75·6	75·3	75·1	75·3	76·5	78·0	79·7	81·5	82·8	83·4	84·0	83·8
	7	76·6	77·0	77·1	77·3	78·3	80·2	82·2	83·8	85·3	85·9	86·4	86·5
	8	80·9	80·6	80·8	80·5	81·7	83·0	84·2	85·8	87·0	87·6	87·6	87·0
	9	81·0	80·3	80·2	80·2	81·4	83·0	83·7	86·0	86·0	85·9	86·1	86·2
	10	80·4	80·2	79·6	79·6	81·0	82·7	84·1	85·6	85·9	86·0	86·0	86·1
	11	80·4	80·4	79·8	79·4	80·8	82·0	83·0	83·6	84·0	84·2	84·6	85·0
	12												
	13	76·5	76·0	75·5	75·4	76·1	78·0	80·0	81·5	83·0	83·7	84·6	84·3
	14	77·4	77·0	76·8	76·6	77·5	79·8	81·1	82·1	82·1	82·7	83·3	83·8
	15	78·5	78·2	78·0	78·0	79·1	80·8	83·0	83·3	84·4	84·9	84·9	84·9
	16	79·0	78·7	78·1	78·0	79·0	81·0	82·1	83·9	84·7	85·4	85·8	85·7
	17	79·5	79·0	78·6	78·4	80·0	82·0	83·0	83·6	84·0	84·0	84·9	84·9
	18	79·0	78·9	78·8	78·9	80·0	81·6	83·0	84·0	85·4	86·0	87·3	87·4
	19												
	20	78·0	78·0	77·3	76·9	78·0	79·3	81·0	82·0	82·7	83·0	83·8	84·0
	21	77·4	77·3	77·0	76·2	77·8	79·8	81·2	82·9	84·2	85·6	85·6	85·0
	22	77·9	77·4	77·0	77·0	78·2	79·6	79·8	80·5	81·8	82·6	82·3	82·0
	23	76·2	76·4	76·2	75·9	76·9	77·8	79·0	80·3	81·1	82·1	83·0	83·6
	24	75·0	74·8	74·3	74·8	75·9	77·4	78·6	80·0	81·2	81·8	82·4	82·6
	25	75·8	75·3	75·2	74·7	75·5	77·3	78·5	79·5	80·8	82·0	82·7	82·6
	26												
	27	76·0	76·0	75·6	75·3	76·3	77·8	79·7	81·0	82·0	83·2	84·8	85·4
	28	76·9	76·4	76·0	75·8	76·9	78·2	79·8	81·1	82·8	84·0	84·9	84·8
	29	76·9	76·5	76·2	76·5	77·1	79·0	80·8	82·0	83·8	85·0	86·0	86·9
	30	78·5	78·2	78·0	77·8	78·9	80·0	81·7	83·0	84·5	85·8	86·9	87·3
	31	78·5	78·2	77·9	78·0	79·2	81·0	83·0	83·5	84·3	85·3	86·3	86·2

SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1ʰ	2ʰ	3ʰ	4ʰ	5ʰ	6ʰ	7ʰ	8ʰ	9ʰ	10ʰ	11ʰ
JANUARY, 1846.	1	-1·980	-2·160	-1·900	-1·940	-1·900	-2·200	-2·150	-2·250	-2·000	-1·900	-1·800	-1·900
	2	-2·800	-2·660	-2·600	-2·300	-2·160	-2·150	-2·150	-2·150	-2·100	-2·000	-2·050	-1·920
	3												
	4	-2·650	-2·600	-2·350	-2·300	-2·500	-2·900	-2·320	-2·100	-2·200	-2·300	-2·320	-2·280
	5	-2·580	-2·400	-2·140	-2·140	-2·140	-2·100	-1·900	-1·900	-1·900	-2·150	-1·850	-2·150
	6	-2·790	-2·540	-2·310	-2·300	-2·360	-2·300	-2·100	-2·200	-2·000	-2·150	-2·300	-2·200
	7	-3·380	-3·100	-2·740	-2·700	-2·660	-2·400	-2·100	-2·300	-2·370	-2·600	-2·550	-2·560
	8	-3·500	-3·300	-3·160	-3·100	-3·000	-2·700	-2·650	-2·900	-3·100	-2·800	-2·780	-2·810
	9	-3·400	-3·100	-2·840	-2·820	-2·960	-2·850	-2·600	-2·500	-2·500	—	—	—
	10												
	11	-2·600	-2·600	-2·500	-2·350	-2·400	-2·350	-2·210	-2·450	-2·210	-2·100	-1·660	-1·900
	12	-3·140	-3·600	-3·200	-3·000	-3·000	-2·400	-2·350	-2·320	-2·320	-2·600	-2·480	-2·300
	13	-2·880	-2·950	-2·950	-2·900	-2·800	-2·350	-2·450	-2·550	-2·400	-2·300	-2·200	-1·540
	14	-3·880	-3·800	-3·600	-3·300	-3·200	-3·200	-3·200	-3·020	-3·200	-3·100	-2·600	-2·720
	15	-3·660	-3·800	-3·500	-3·100	-3·100	-3·100	-3·000	-2·980	-2·850	-2·600	-2·420	-2·600
	16	-3·500	-3·300	-3·200	-3·000	-3·100	-3·100	-2·980	-2·850	-2·680	-2·160	-2·320	-2·600
	17												
	18	-4·000	-4·000	-3·800	-3·600	-3·700	-3·820	-3·700	-3·450	-3·380	-3·300	-3·600	-3·600
	19	—	-3·700	-3·650	-3·500	-3·500	-3·300	-3·490	-3·390	-3·510	-3·540	-3·500	-3·340
	20	-3·540	-3·550	-3·400	-3·350	-3·310	-3·310	-3·360	-3·160	-3·000	-2·940	-2·900	-2·820
	21	-3·350	-3·400	-3·500	-3·500	-3·500	-3·310	-3·100	-3·100	-3·000	-3·100	-2·900	-3·100
	22	-3·880	-3·700	-3·650	-3·700	-3·600	-3·400	-3·400	-3·300	-3·240	-3·120	-2·980	-3·100
	23	-4·080	-4·100	-4·000	-3·950	-3·800	-3·700	-3·400	-3·400	-3·300	-2·760	-2·600	-3·300
	24												
	25	-4·500	-4·200	-4·000	-3·990	-3·900	-4·050	-4·050	-3·900	-3·900	-3·600	-3·600	-3·700
	26	-4·300	-4·200	-4·000	-4·000	-4·100	-4·000	-4·050	-3·870	-3·800	-3·700	-3·800	-3·600
	27	-4·100	-4·100	-4·000	-4·200	-4·200	-4·100	-3·400	-3·800	-3·800	-3·800	-3·600	-3·600
	28	-4·440	-4·800	-4·700	-4·900	-4·500	-4·550	-4·120	-4·050	-4·050	-3·640	-3·640	-3·600
	29	-4·840	-4·750	-4·600	-4·500	-4·300	-4·300	-4·200	-4·390	-4·390	-4·080	-4·000	-4·100
	30	-4·900	-4·850	-4·700	-4·500	-4·300	-4·100	-4·000	-3·900	-4·080	-3·700	-3·720	-3·840
	31												

THERMOMETER OF SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1ʰ	2ʰ	3ʰ	4ʰ	5ʰ	6ʰ	7ʰ	8ʰ	9ʰ	10ʰ	11ʰ
JANUARY, 1846.	1	80°·0	80°·0	79°·3	79·0	77°·8	77°·5	77°·5	77°·2	77°·5	76°·8	76°·7	76°·4
	2	82·0	82·0	81·4	80·9	80·0	80·0	80·0	78·0	78·0	76·8	76·7	76·0
	3												
	4	81·8	81·0	80·0	79·0	78·0	77·8	76·1	76·0	76·0	75·9	75·8	75·4
	5	79·4	79·4	78·0	77·5	76·9	76·4	76·2	76·0	75·8	75·2	74·0	73·2
	6	79·0	78·4	77·6	76·7	76·4	76·2	75·9	75·8	75·2	74·5	73·4	73·2
	7	79·2	78·6	77·7	77·2	76·0	75·6	75·0	74·4	74·0	73·6	72·9	71·9
	8	80·5	79·5	77·8	76·5	76·0	75·8	75·4	74·8	74·2	73·4	73·7	72·8
	9	78·6	77·8	76·4	75·8	75·2	74·6	74·0	7 ·4	72·8	72·4	71·9	71·6
	10												
	11	80·0	79·6	79·2	77·4	76·4	76·3	74·4	75·3	75·4	75·6	74·0	74·4
	12	80·0	79·0	78·0	77·8	76·8	76·0	76·0	75·6	75·6	75·6	74·8	73·6
	13	81·2	79·8	78·2	77·4	77·2	76·2	76·6	76·5	75·0	76·0	75·4	75·0
	14	83·0	82·0	81·0	80·0	79·6	78·7	78·7	78·0	77·6	77·4	76·6	76·2
	15	84·4	83·2	82·4	81·2	80·2	78·5	78·0	78·4	78·0	77·8	76·3	76·0
	16	83·0	82·0	80·8	79·4	79·2	78·8	78·5	77·2	77·6	77·3	74·6	74·4
	17												
	18	81·2	80·0	79·2	78·4	78·2	77·0	76·0	75·2	74·4	74·0	73·6	73·0
	19	—	80·0	79·0	78·4	78·0	76·6	75·6	74·6	74·5	74·2	73·8	73·3
	20	81·4	80·0	79·6	78·8	78·2	76·4	76·8	76·3	75·6	75·2	75·2	73·8
	21	80·0	78·6	78·0	77·0	76·8	76·2	74·9	74·8	74·0	74·0	73·3	73·0
	22	80·0	79·2	78·0	77·4	77·0	76·8	75·9	74·2	73·8	73·7	73·4	72·2
	23	80·2	79·8	79·0	78·0	77·2	76·8	75·8	75·4	74·8	73·6	73·6	73·9
	24												
	25	77·8	76·2	75·8	74·8	74·4	74·0	73·8	72·8	72·6	71·8	72·0	72·0
	26	78·0	77·0	76·0	75·2	75·2	74·6	73·8	72·5	72·4	73·0	73·2	72·3
	27	78·4	77·6	76·0	75·2	75·0	74·0	72·9	72·5	72·0	71·6	71·6	71·4
	28	79·0	78·0	76·8	76·0	75·2	74·5	74·0	72·4	72·6	72·0	72·2	72·0
	29	78·6	77·6	76·4	76·0	75·8	74·7	73·2	72·7	72·4	72·0	71·8	71·8
	30	79·6	78·2	76·8	76·0	75·2	75·0	73·6	72·6	73·2	73·9	73·8	73·6
	31												

SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12h	13h	14h	15h	16	17h	18h	19h	20h	21h	22h	23h
JANUARY, 1846.	1	–1·900	–1·900	–1·700	–1·400	–1·300	–1·400	–1·900	–2·100	–2·300	–2·800	–2·800	–2·900
	2	–1·970	–1·900	–1.720	–1·720	–1·400	–1·500	–1·500	–1·600	–2·200	–2·580	–2·880	–2·780
	3												
	4	–2·150	–1·960	–1·740	–1·700	–1·700	–2·000	–2·100	–2·200	–2·600	–2·790	–2·680	–2·400
	5	-1·850	–1·700	–1·600	–1·200	–1·200	–1·600	–1·700	–2·000	–2·200	–2·590	–2·700	–2·950
	6	–2·180	–2·220	–2·140	–2·080	–2·180	–2·100	–2·250	–2·700	–2·800	–2·980	–3·290	–3·600
	7	–2·500	–2·340	–2·100	–2·120	–2·360	–2·500	–2·700	–3·100	–3·800	–4·160	–4·150	–3·800
	8	–2.800	–2·540	–2·280	–2·240	–2·400	–2·400	–2·500	–2·700	–3·000	–3·350	–3·400	–3·420
	9					Instrument disturbed by a cobweb.				–2·150	–2·250	–2·380	–2·590
	10												
	11	–1·800	–1·900	–1·600	–1·500	–1·300	–1·400	–1·440	–1·600	–1·890	–1·900	–2·800	–3·000
	12	–2·400	–2·400	–2·200	–2·100	–2·000	–2·310	–2·310	–2·350	–2·780	–2·600	–2·800	–2·900
	13	–1·520	–2·300	–1·900	–2·200	–2·200	–2·350	–2·550	–2·550	–2·900	–2·900	–3·160	–3·200
	14	–2·720	–2·600	–2·400	–2·100	–2·100	-2·280	–2·380	-2·300	–3·280	–3·700	–3·840	–4·100
	15	–2·500	–2·300	–2·300	–1·800	–2·100	–1·910	–2·610	–2·910	–2·910	–3·240	–3·600	-3·600
	16	–2·300	–2·500	–2·600	–2·300	–2·100	–1·880	–1·940	–2·900	–3·600	–4·000	–4·160	–3·940
	17												
	18	–3·600	–3·500	–3·500	–3·300	–3·100	–2·980	–3·100	–3·600	–3·800	–3·660	–3·620	–3·800
	19	–3·440	–3·250	–3·150	–3·000	–2·550	–3·290	–3·150	–3·350	–3·290	–3·240	–3·400	–3·600
	20	–3·000	–3·000	–3·000	–2·910	–2·850	–2·950	–3·150	–3·400	–3·400	–3·400	–3·450	–3·350
	21	–2·900	–3·300	–3·000	–2·900	–2·900	–3·120	–3·200	–3·400	–3·690	–3·900	–4·000	–3·840
	22	–3·100	–3·000	–3·000	–3·150	–3·300	–3·200	–3·150	–3·250	–3·300	–3·460	–3·700	–4·000
	23	–3·200	–3·750	–3·100	–3·150	–3·600	–3·850	–3·050	–3·300	–4·100	–4·820	–5·500	–5·520
	24												
	25	–3·700	–3·600	–3·350	–3·350	–3·150	–3·050	–3·200	–3·400	–3·790	–3·900	–3·920	–4·200
	26	–3·600	–3·700	–3·400	–3·250	–3·200	–3·190	–3·500	–3·600	–3·620	–3·900	–4·100	–4·100
	27	–3·200	–3·200	–3·200	–3·300	–3·500	–3·600	–3·750	–4·050	–4·200	–4·100	–4·400	–4·560
	28	–3·700	–3·550	–3·550	–3·100	–3·700	–3·880	–4·360	–4·490	–4·500	–4·400	–4·500	–4·700
	29	–3·900	–3·950	–4·100	–4·000	–4·100	–3·980	–4·490	–4·570	–4·700	–5·060	–5·100	–5·020
	30	–3·900	–3·850	–3·800	–3·350	–3·100	–2·900	–3·050	–3·200	–3·700	–4·000	–4·600	–4·900
	31												

THERMOMETER OF SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
JANUARY, 1846.	1	76°·4	76°·0	75°·8	75°·6	75°·9	77°·0	78°·0	79°·8	80°·0	80°·8	82°·8	82°·8
	2	76·0	75·9	75·4	75·0	75·0	76·0	76·0	77·0	78·8	79·9	81·4	81·9
	3												
	4	74·9	75·0	74·2	74·0	74·0	75·0	76·8	77·4	78·0	79·0	79·6	79·9
	5	72·9	73·7	72·2	72·8	73·1	74·0	75·6	76·8	78·0	79·0	79·0	79·4
	6	72·9	72·1	72·0	71·0	71·6	74·0	75·4	77·0	78·0	78·9	79·6	79·8
	7	71·0	70·4	69·5	68·5	70·6	72·0	74·0	76·4	78·4	80·0	80·7	80·7
	8	72·0	72·0	71·6	70·0	70·4	72·2	74·0	75·8	77·4	78·4	78·9	79·4
	9	70·8	69·6	68·0	68·1	70·2	71·4	73·0	74·4	77·0	77·4	78·0	80·8
	10												
	11	73·8	73·4	72·2	72·0	72·4	73·7	74·9	76·5	77·6	79·0	79·6	80·4
	12	74·0	74·0	73·0	72·0	72·2	74·7	75·6	76·7	78·8	80·4	80·5	83·2
	13	74·1	74·0	73·6	73·0	73·8	74·9	76·0	77·6	79·2	81·0	82·0	84·0
	14	75·8	75·0	74·0	74·0	73·8	75·0	76·4	78·0	79·8	81·8	83·0	83·8
	15	75·8	75·2	75·0	74·6	74·8	75·0	76·7	78·4	79·6	81·0	81·8	82·0
	16	74·0	74·0	73·6	73·4	74·0	74·7	76·0	78·5	80·2	81·2	81·8	82·0
	17												
	18	72·6	72·0	71·4	71·8	72·0	73·9	76·3	78·8	80·8	81·6	81·6	82·0
	19	73·2	73·0	73·0	72·6	73·6	74·0	75·8	77·6	79·6	80·8	81·0	81·2
	20	73·8	72·0	72·0	72·0	73·0	73·8	75·6	77·6	78·6	80·0	80·0	80·0
	21	71·8	71·8	71·8	72·0	72.8	73·4	74·8	76·0	77·9	79·4	80·0	81·8
	22	72·0	72·0	71·4	70·8	71·6	73·2	75·0	76·4	78·8	79·8	80·0	81·4
	23	72·6	71·8	71·6	71·8	72·2	72·8	75·2	76·4	77·4	78·0	78·4	79·2
	24												
	25	72·0	72·0	71·2	70·8	71·8	72·3	73·8	74·8	76·0	77·2	77·8	78·0
	26	72·0	71·4	70·8	70·8	72·0	72·4	74·5	75·8	76·8	78·0	78·0	78·4
	27	69·7	69·0	68·0	67·6	70·0	72·5	74·4	76·0	76·8	78·0	78·6	79·2
	28	72·0	70·8	70·8	70·2	71·2	72·3	74·0	75·8	77·2	78·0	78·9	79·2
	29	71·2	70·2	69·4	79·0	70·0	71·6	74·9	77·8	79·0	80·0	80·0	80°·0
	30	73·2	72·4	72·4	72·2	73·0	72·9	74·4	75·8	78·4	78·2	79·4	79·8
	31												

SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
FEBRUARY, 1846.	1	– 5·300	– 5·300	– 5·000	– 5·000	– 5·050	– 4·820	– 4·700	– 4·560	– 4·300	– 4·500	– 4·320	– 4·200
	2	– 5·350	– 5·400	– 5·500	– 5·300	– 5·300	– 5·080	– 5·000	– 4·920	– 4·700	– 4·600	– 4·500	– 4·220
	3	– 5·800	– 5·000	– 4·850	– 4·800	– 4·650	– 4·560	– 4·180	– 4·020	– 4·000	– 4·300	– 4·250	– 3·790
	4	—	—		—	—	—	—	—	—	—	—	—
	5	—	—	—		Instrument undergoing adjustment.					—	—	—
	6	37·450	37·750	38·310	38·435	38·600	38·220	38·150	37·900	38·300	38·710	38·850	39·000
	7												
	8	38·675	38·850	39·100	39·100	39·200	39·400	39·300	39·460	39·420	39·650	39·450	40·800
	9	38·550	38·495	38·300	37·500	37·930	38·310	38·900	39·000	39·020	39·300	39·200	39·460
	10	38·910	38·850	39·950	39·695	39·390	39·110	39·290	39·090	39·400	39·450	39·400	39·400
	11	38·790	39·075	39·300	39·550	39·400	39·490	39·290	39·510	39·450	39·590	39·600	39·610
	12	38·780	39·000	39·152	39·400	39·500	39·655	39·630	39·800	39·910	39·885	40·300	40·300
	13	38·795	38·725	38·910	39·200	39·300	39·290	39·470	39·680	39·640	39·920	39·900	39·780
	14												
	15	38·210	33·245	39·940	38·895	39·505	39·190	39·300	39·400	39·410	39·600	39·580	40·250
	16	38·050	38·400	39·990	38·800	38·952	39·270	39·060	40·200	40·200	39·400	39·350	39·460
	17	38·360	38·600	38·550	39·000	39·035	39·150	39·260	39·310	39·310	40·240	39·830	39·330
	18	38·500	38·750	38·800	38·610	39·017	38·700	39·200	38·880	38·730	38·900	39·300	38·780
	19	38·410	38·600	38·852	38·800	38·660	38·460	38·540	38·850	38·750	38·900	39·900	39·200
	20	38·380	38·650	38·755	38·810	38·805	38·900	38·980	39·300	39·400	39·390	39·470	39·410
	21												
	22	38·400	38·505	38·600	38·685	38·828	38·770	38·940	39·090	39·200	39·050	39·440	39·550
	23	38·665	38·790	38·812	38·922	38·800	38·750	38·730	38·810	38·895	38·930	39·070	39·300
	24	38·450	38·445	38·600	38·600	38·680	38·600	38·600	38·620	38·760	38·780	38·800	38·855
	25	38·270	38·400	33·610	38·650	38·700	38·410	37·840	38·000	38·020	38·000	37·550	37·825
	26	37·825	37·995	38·200	37·925	37·600	37·700	37·600	37·480	37·780	37·885	38·025	38·500
	27	37·635	37·700	37·900	37·915	37·900	37·980	38·020	38·070	38·420	38·100	—	—
	28	—	—	—	—	—	—	—	—	—	—	38·415	38·630
	29												
	30												
	31												

THERMOMETER OF SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
FEBRUARY, 1846.	1	79°·4	78°·8	78·0	77°·0	77°·1	77°·3	76°·0	76°·0	75°·8	75°·4	74°·6	73°·6
	2	83·4	80·0	79·0	78·0	78·0	76·6	76·0	76·0	75·6	74·5	74·5	73·6
	3	79·2	79·2	78·2	77·2	77·0	76·9	75·0	74·0	74·0	74·6	74·4	72·4
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	83·8	83·4	81·0	80·0	79·2	79·0	78·0	77·0	76·7	76·4	75·9	75·9
	7												
	8	82·0	81·4	79·8	79·2	79·2	78·6	78·0	77·9	77·6	76·6	76·5	74·4
	9	80·4	80·0	79·0	78·0	77·6	77·5	76·7	76·2	76·7	76·4	76·2	75·2
	10	80·4	80·0	79·0	78·0	78·0	77·6	77·0	77·0	76·0	76·2	75·8	75·4
	11	79·9	79·8	78·0	77·4	77·8	76·7	77·0	76·7	76·2	75·6	75·2	74·8
	12	77·8	77·0	75·8	75·0	74·0	73·8	73·8	73·6	73·2	72·4	72·0	71·2
	13	77·8	77·6	76·0	75·2	74·4	74·2	73·9	73·0	73·0	73·0	72·4	72·5
	14												
	15	79·8	79·2	78·0	77·4	76·8	76·2	76·0	74·3	75·0	74·6	74·5	73·4
	16	83·0	82·0	80·6	80·0	80·0	80·0	79·5	79·0	77·2	77·2	76·8	76·5
	17	85·6	84·8	84·0	82·8	82·0	81·2	80·2	79·8	78·6	78·0	77·6	77·6
	18	83·6	82·6	81·8	80·2	80·2	80·0	79·0	78·5	78·0	77·8	77·6	76·6
	19	83·8	83·4	82·0	81·2	80·6	80·0	79·2	79·2	78·0	78·4	77·6	77·1
	20	81·9	81·2	80·0	80·0	79·4	79·2	78·4	77·2	76·4	75·4	75·2	74·8
	21												
	22	80·0	79·8	79·4	78·6	78·0	77·6	77·0	76·4	75·4	76·0	75·2	74·5
	23	80·0	79·4	78·8	78·0	78·0	78·0	77·8	77·6	77·6	77·4	76·5	75·8
	24	80·7	80·0	80·0	79·8	78·8	78·4	78·0	78·0	77·6	77·0	76·6	76·4
	25	80·5	80.0	79·0	78·6	78·0	77·2	76·9	75·9	76·0	75·0	75·4	75·2
	26	80·1	80·0	79·2	79·0	78·0	77·4	77·2	76·4	76·0	75·8	76·0	74·8
	27	80·1	80·0	78·8	78·2	78·0	77·6	77·0	77·0	76·0	76·1	—	—
	28	—	—	—	—	—	—	—	—	—	—	76·5	75·0
	29												
	30												
	31												

SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
FEBRUARY, 1846.	1	- 4·100	- 4·200	- 4·300	- 4·300	- 4·100	- 3·900	- 4·220	- 4·440	- 4·620	- 5·000	- 5·000	- 5·200
	2	- 4·400	- 4·300	- 4·200	- 4·100	- 4·200	- 4·200	- 4·300	- 4·700	- 4·900	- 5·500	- 5·500	- 5·900
	3	- 3·900	- 3·700	- 3·800	- 3·800	- 3·900	- 3·900	- 4·110	—	—	—	—	—
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	—				Instrument undergoing adjustment.				—	—	—	—
	6	39·100	39·095	39·020	39·390	39·300	39 000	38·610	38·200	37·280	37·250	37·820	38·010
	7												
	8	41·000	40·900	40·800	41·300	41·100	40·300	40 200	40·000	39·530	38·595	37·495	38·340
	9	39·475	39·600	40·150	40·450	40·175	39·935	39·900	39·600	39·420	39·040	38·850	38·710
	10	39·520	39·620	39·900	40·100	40·300	40·200	40·000	40·000	39·590	39·360	39·035	38·880
	11	39·690	40·000	40·100	40·250	40·500	40·700	40·620	40·680	40·300	39·820	39·650	39·185
	12	40·300	40·200	40·200	40·050	40·100	40·280	40·200	40·320	40·100	39·620	39·250	39·050
	13	39·880	40·000	39·900	39·975	40·300	40·400	40·500	40·340	39·950	39·550	38·900	38·765
	14												
	15	40·330	40·000	40·100	39·985	39·775	39·390	39·270	38·590	37·990	37·655	37·500	38·300
	16	39·770	39·300	39·200	39·087	39·045	38·830	38·820	38·795	38·300	37·750	37·250	37·300
	17	39·360	39·500	39·530	39·605	39·600	39·520	39·000	38·710	38 410	38·700	38·700	38·500
	18	38·950	38·990	38·695	38·600	38·355	38·500	38·530	38·800	38·920	38·935	38·560	38·400
	19	38·900	39·000	38·850	38·800	38·910	39·060	39·100	39·095	38·855	38·665	38·335	38·290
	20	39·230	39·000	39·105	39·135	39·135	38·930	39·390	39·310	39·000	38·775	38·460	38·190
	21												
	22	39·825	39·700	39·777	39 805	39·840	39·940	40·070	40·200	39·900	39·500	39·240	38·800
	23	39·230	39·500	39·450	39·390	39·360	39·490	39·900	39·810	39·700	39·200	38·900	38·665
	24	39·080	39·100	39·200	39·200	39·300	39·030	39·250	39·100	38·910	38·785	38·600	38·350
	25	37·850	37·910	38·560	38·700	38·800	39·070	39·120	38·540	38·190	37·800	37·915	37·790
	26	38·550	38·600	38·550	38·700	38·500	38·590	38·700	38·680	38·300	38·050	37·735	37·575
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	38·750	38·725	38·850	38·875	39·000	39·420	39·200	38·810	38·420	37·700	37·600	37·450
	29												
	30												
	31												

THERMOMETER OF SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
FEBRUARY, 1846.	1	73°·0	73°·0	73°·8	73°·4	74°·0	74°·6	75°·8	76°·6	77°·8	78°·8	79°·2	79°·6
	2	73·4	73·2	73·0	72·0	72·4	73·2	74·2	76·0	77·2	78·0	78·4	79·2
	3	72·3	72·2	72·0	71·8	72·4	73·8	76·0	—	—	—	—	—
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	75·2	74·4	74·0	74·0	75·2	76·8	78·0	79·3	81·0	84·0	83·9	83·6
	7												
	8	74·0	74·4	74·4	74·0	75·2	76·2	77 4	79·0	80·0	80·6	80·9	80·9
	9	75·4	75·6	74·2	74·0	74·6	76·0	77·2	78·6	79·6	80·3	80·4	80·5
	10	74·9	75·2	75·0	74·4	74·0	76·4	78·4	79·0	79·7	79·8	79·8	79·9
	11	74·6	74·2	74·2	74·0	75·0	75·7	77·0	77·6	79·0	78·8	78·6	78·0
	12	70·8	70·6	70·0	70·0	70·8	71·6	73·0	74·3	76·4	77·4	78·0	78·0
	13	72·5	72·0	71·8	71·4	72·0	73·2	74·2	75·6	77·0	77·8	78·8	78·8
	14												
	15	72·8	72·8	72·8	72·0	72·8	75·0	76·2	78·0	80·0	82·4	83·8	84·2
	16	76·0	76·0	76·0	76·0	77·0	78·5	80·5	82·6	84·6	85·0	86·0	86·4
	17	77·6	77·6	77·0	77·0	77·4	78·2	79·8	81·4	83·0	84·5	84·7	84·5
	18	77·0	76·8	75·6	75·0	76·0	77·0	78·3	79·5	81·0	82·6	83·2	83·8
	19	76·4	76·4	75·8	75·0	74·4	76·8	77·6	79·8	81·8	82·2	82·4	82·5
	20	74·5	74·6	74·0	74·0	75·2	77·0	78·2	79·2	80·6	80·6	80·8	80·6
	21												
	22	73 6	74·0	74·0	74·0	74·6	75·8	77·0	77·4	78·9	79·2	79·8	80·0
	23	75·2	75·2	75 8	75·8	76·4	78·0	78·4	79·3	79·8	80·4	80·9	80·9
	24	76·0	76·0	76·0	76·0	76·0	78·0	78·5	79·6	80·0	80·2	80 5	80·7
	25	75·0	74·8	74·4	74·0	75·2	77·2	78·3	79·6	80·0	80·5	80·6	80·6
	26	74·4	74·6	74·4	74·4	75·2	77·0	78·4	78·7	79·4	79·8	80·0	80·0
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	74·7	74·8	74·2	74·0	75·2	76·0	77·2	78·0	79·2	79·8	80·4	80·8
	29												
	30												
	31												

SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
MARCH, 1846.	1												
	2	38·000	37·900	38·145	38·060	37·900	38·400	38·390	38·350	38·435	38·510	38·600	38·680
	3	37·800	37·795	37·750	37·677	37·740	37·500	38·085	38·010	38·000	38·120	38·240	38·450
	4	37·770	37·880	37·725	37·850	37·910	38·200	38·100	38·300	38·100	38·390	38·650	38·690
	5	37·610	37·875	37·965	38·025	38·050	38·100	38·200	38·340	38·355	38·500	38·480	38·580
	6	37·710	37·750	37·830	37·910	38·010	38·150	38·185	38·150	38·100	38·310	38·350	38·360
	7												
	8	37·825	37·537	37·545	37·572	37·510	37·450	37·542	37·890	37·895	37·810	37·810	37·810
	9	37·190	37·070	37·155	37·200	37·170	37·195	37·500	37·627	37·900	37·900	38·150	38·300
	10	37·560	37·590	37·670	37·680	37·510	37·300	37·490	37·590	37·880	38·010	38·065	38·100
	11	37·500	37·570	37·650	37·710	37·620	37·440	37·560	37·630	37·570	38·140	38·085	38·270
	12	36·960	37·150	37·280	37·350	37·380	37·200	37·080	37·390	37·600	37·750	37·810	37·810
	13	37·500	36·140	35·500	34·825	34·380	34·490	35·365	35·650	36·300	36·400	36·470	36·790
	14												
	15	35·300	35·900	36·290	36·275	36·215	36·695	36·200	36·710	36·390	36·720	36·540	36·330
	16	36·170	36·105	36·195	36·275	36·480	36·785	36·700	36·905	36·745	36·610	36·950	36·950
	17	35·900	35·120	34·790	35·260	35·860	36·180	36·220	36·300	36·500	36·690	37·380	37·100
	18	35·460	35·950	36·100	36·500	36·240	36·320	36·340	36·310	36·350	36·510	—	—
	19	—	—	—	—	—	—	—	—	—	—	36·510	36·550
	20	35·890	35·905	36·125	36·220	36·265	36·400	36·360	36·400	36·500	36·690	37·190	37·200
	21												
	22	36·140	36·090	36·070	36·095	36·100	36·110	36·240	36·300	36·400	36·480	36·790	36·710
	23	35·400	35·450	35·815	35·900	35·840	35·900	36·000	35·680	35·500	35·790	36·210	36·450
	24	35·990	35·925	36·215	36·000	36·020	35·000	35·850	36·050	36·020	36·260	36·280	36·110
	25	35·890	36·020	35·900	36.000	36·000	36·120	36·090	36·120	36·200	36·140	36·510	36·640
	26	34·910	35·200	35·280	35·310	35·490	35·400	35·400	35·310	35·600	35·530	35·860	35·960
	27	35·260	35·300	35·490	35·365	35·200	35·300	35·300	35·700	35·600	35·650	35·680	35·720
	28												
	29	34·780	34·755	34·975	34·970	35·090	35·245	35·210	35·355	35·300	35·300	35·160	35·330
	30	34·680	34·400	34·495	34·890	35·350	35·000	35·300	35·325	35·400	35·395	35·390	35·550
	31	35·310	35·400	35·560	35·560	35·580	35·630	35·800	35·800	35·890	35·900	35·820	35·860

THERMOMETER OF SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
MARCH, 1816.	1												
	2	80°·8	80°·0	79°·0	78°·7	77°·8	78·0	77°·8	77°·4	77°·0	76°·5	76°·5	76°·0
	3	83·0	81·8	81·0	80·0	80·0	80·0	80·0	79·8	79·2	79·0	78·2	77·9
	4	81·6	80·8	80·4	79·3	78·8	78·2	78·0	77·4	78·0	77·6	76·6	76·0
	5	81·6	80·8	78·9	78·6	79·0	77·8	77·4	77·0	76·8	76·0	76·0	75·6
	6	81·4	80·6	80·4	79·6	79·2	79·4	79·0	78·8	78·2	78·0	77·2	76·9
	7												
	8	82·0	81·4	80·5	79·8	79·4	79·4	79·0	77·4	76·6	76·3	76·0	74·8
	9	82·3	82·0	81·0	80·4	79·4	78·6	78·8	78·4	78·2	78·0	77·3	76·6
	10	82·4	81·7	80·8	80·5	80·0	80·0	79·8	79·6	79·0	78·4	77·6	77·2
	11	82·8	81·4	80·4	79·5	79·2	79·2	78·5	78·0	77·8	77·2	76·6	76·4
	12	82·7	81·6	80·5	79·4	78·8	78·7	78·8	78·8	78·4	78·7	77·6	77·0
	13	81·8	80·5	79·4	78·9	78·8	78·4	77·8	77·7	77·4	76·9	76·4	76·0
	14												
	15	80·5	80·0	78·6	77·2	76·8	76·8	76·4	76·0	75·8	74·6	74·4	74·0
	16	81·9	80·8	80·0	79·0	78·7	78·0	77·6	77·4	77·0	76·0	74·5	75·6
	17	82·0	81·0	80·0	78·6	77·8	77·6	77·6	77·0	76·6	76·0	75·4	75·0
	18	80·5	80·0	78·8	77·6	77·1	77·0	76·7	76·2	75·8	75·4	—	—
	19	—	—	—	—	—	—	—	—	—	—	76·7	76·0
	20	81·4	80·6	80·0	79·8	79·0	79·0	78·6	78·0	77·7	77·2	75·8	75·4
	21												
	22	82·0	81·4	80·5	80·0	79·4	79·7	79·2	79·2	78·5	78·0	76·0	76·4
	23	85·4	84·8	81·0	82·7	82·5	82·3	82·0	81·0	80·0	79·6	79·2	79·4
	24	85·2	84·8	83·0	82·9	82·8	82·7	82·2	82·0	81·9	80·7	79·6	80·0
	25	84·8	84·0	83·6	82·9	82·5	81·2	82·0	82·9	81·7	81·0	79·7	79·4
	26	84·8	84·4	83·0	82·6	82·4	82·0	82·2	82·0	82·0	81·4	79·7	79·2
	27	84·4	84·0	82·8	82·6	82·2	82·0	81·7	81·2	80·6	80·0	79·6	79·2
	28												
	29	82·0	81·4	80·6	79·6	79·4	79·2	78·8	78·2	78·6	78·6	78·1	78·0
	30	83·4	82·8	82·0	80·9	80·3	80·0	79·4	79·2	78·4	78·4	[illegible]	77·8
	31	84·0	83·6	82·8	82·4	81·8	81·6	80·6	80·6	80·0	80·0	79·6	79·2

SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
MARCH, 1846.	1												
	2	38·700	38·780	38·760	38·700	38·387	38·550	38·600	38·750	38·450	38·280	38·000	37·800
	3	38·350	38·380	38·465	38·390	38·325	38·490	38·350	38·440	38·240	37·970	37·895	37·770
	4	38·650	38·700	38·650	38·550	38·700	38·205	38·300	38·200	37·900	37·540	37·470	37·530
	5	38·540	38·600	38·575	38·323	38·070	38·150	38·345	38·255	38·305	37·910	37·710	37·690
	6	38·415	38·535	38·543	38·505	38·440	38·100	38·170	38·155	37·900	37·610	37·250	37·080
	7												
	8	37·880	37·700	37·770	37·875	37·895	37·815	38·000	37·800	37·955	37·720	37·340	37·200
	9	38·420	38·400	38·430	38·315	38 085	38·000	38·100	37·975	38·145	37·810	37·670	37·550
	10	38·115	38·120	38·185	38·100	38·140	38·620	38·860	38·680	38·460	38·110	37·790	37·690
	11	38·340	38·320	38·000	37·895	37·925	37·815	38·000	37·800	37·915	37·590	37·300	36·840
	12	37·900	37·830	37·900	37·865	37·745	38·090	38·325	38·170	37·455	37·470	37·200	37·700
	13	36·620	36·530	36·580	36·835	36·950	37·140	37·350	36·900	36·350	36·250	35·810	35·750
	14												
	15	36·850	37·180	36·960	37·050	36·690	36·600	36·200	36·075	35·945	35·900	36·040	36·120
	16	36·950	37·105	37·127	37·355	37·350	37·205	37·400	37·297	36·850	36·230	36·180	36·130
	17	37·090	36·990	37·060	37·045	37·000	37·180	37·500	37·140	36·900	36·460	36·320	35·610
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	36·630	36·985	37·200	37·160	37·175	37·420	37·650	37·650	37·150	37·010	36·500	36·000
	20	37·080	37·055	37 100	37·150	37·225	37·400	37·620	37·500	37·100	36·570	36·290	36·100
	21												
	22	36·890	36 665	36·820	36·635	36·390	36·450	36·820	36·600	36·350	36·150	36·080	35·820
	23	36·240	35·920	36.385	36·330	36·030	36·250	36·320	36·240	36·190	36·510	36·100	35·800
	24	36·120	36·200	36·200	36·557	36·700	36·920	37·280	37·200	36·760	36·390	36·190	35·920
	25	36·570	36·600	36·600	36·600	37·110	37·600	37·810	37·450	36·850	36·520	36·290	35·740
	26	35 780	35·990	35·935	35·750	35·790	36·020	36·600	36·610	36·100	35·870	35·600	35·280
	27	35·860	35·830	35·810	35·905	36·200	—	—	—	—	35·660	35·090	34·200
	28												
	29	35·540	35·560	35·750	35·780	35·790	35·725	35·990	36·025	36·170	35·830	35·340	34·910
	30	35·500	35·580	35·735	35·720	36·090	36·432	36·605	36·610	36·205	35·880	35·420	35·010
	31	36·085	35·870	35·900	35·800	36·170	36·750	37·075	36·800	36·200	36·000	35·720	35·380

THERMOMETER OF SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
MARCH, 1846.	1												
	2	75°·6	75°·0	74°·9	74°·9	75°·8	78°·0	78°·4	79°·8	81°·2	82°·4	83°·2	83°·2
	3	77·6	77·0	76·5	76·2	77·4	79·4	80·0	81·2	82·0	82·0	82·0	82·0
	4	75·8	75·2	75·3	75·6	76·4	78·4	79·6	80·8	81·8	82·2	82·4	82·0
	5	75·4	74·8	74·5	74·8	76·0	78·0	80·0	81·8	81·8	82·0	82·2	82·0
	6	76·6	76·4	75·2	74·8	75·6	78·0	79·6	80·0	81·6	82·4	83·3	83·3
	7												
	8	74·6	74·2	74·5	75·0	75·9	78·0	78·0	80·6	81·2	81·9	82·0	82·4
	9	75·8	75·2	74·6	74·0	75·4	76·4	77·6	80·0	81·2	82·6	82·8	82·9
	10	76·9	76·8	75·6	76·0	77·2	78·8	79·2	80·6	81·6	82·8	82·8	82·8
	11	76·4	76·0	75·4	75·6	76·0	77·2	79 0	80·0	80·6	82·0	82·4	82·7
	12	76·2	76·0	75·2	75·7	76·5	77·8	79·6	80·0	81·6	82·0	82·2	82·0
	13	75·9	75·6	75 2	75·6	76·4	77·6	78·6	79·2	80·2	80·8	81·0	80·4
	14												
	15	73·6	73·4	72·5	71·9	73·9	76·0	78·0	79·8	82·0	83·8	83·9	83·2
	16	75·5	75·2	74·5	74·6	76·2	77 8	79·6	80·2	81·4	82·0	82·3	82·4
	17	75·0	74·8	74·8	74·6	76·0	76·4	77·2	78·4	79·6	80·0	80·6	80·9
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	75·9	74·9	74·5	74·2	76·0	76·8	77·8	78·2	79·0	81·0	81·2	81·4
	20	75·6	75·2	74·4	74·8	75·8	76·8	77·8	79·0	80·2	81·6	82·0	82·0
	21												
	22	76·0	76·5	75·2	74·8	76·0	77·8	79·0	81·8	84·0	85·2	85·2	85·2
	23	78·9	77·8	78·0	78·7	79·8	81·0	82·4	84·4	86·6	86·7	86·0	86·0
	24	80·8	79·6	79·4	78·8	79·2	80·0	81·2	82·2	84·2	85·0	85·4	85·2
	25	79·3	79·0	79·0	79·2	79·3	80·5	81·9	82·8	84·8	84·0	84·7	85·2
	26	79·6	78·8	78·8	78·9	79·9	80·2	81·8	82·0	84·0	84·2	85·2	85·2
	27	79·2	77·8	77·8	78·5	79·0	—	—	—	—	83·6	34·0	83·8
	28												
	29	77·8	77·2	76·7	76·7	77·8	80·0	81·8	83·6	82·8	83·6	83·6	83·6
	30	77·8	78·0	76·8	77·8	78·7	80·0	81·8	83·0	84·0	84·0	84·0	84·0
	31	79·2	78·8	78·6	78·5	78·8	79·6	80·8	81·8	83·0	83·2	83·4	83·5

SMALL HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
APRIL, 1846.	1	34·950	35·100	35·400	35·380	35·320	35·325	35·285	35·550	35·500	35·460	35·490	35·590
	2	35·140	34·930	34·900	34·990	35·200	35·400	35·605	35·600	35·695	35·800	35·770	35·900
	3	35·130	35·100	35·100	34·900	34·900	35·045	35·100	34·980	34·995	35·080	35·190	35·180
	4												
	5	34·340	34·405	34·620	34·650	34·715	34·915	35·050	34·945	34·900	34·890	35·125	35·110
	6	33·360	32·815	33·010	33·010	33·185	33·650	34·000	33·405	33·705	34·000	33·770	33·810
	7	33·240	33·350	33·500	33·785	33·985	33·720	33·967	34·390	34·045	34·000	34·050	33·950
	8	33·350	33·260	33·300	33·500	33·900	33·775	33·800	34·000	34·250	34·050	34·000	34·090
	9	33·860	33·750	33·800	34·920	33·910	34·000	34·000	34·095	34·105	34·260	34·410	34·360
	10	34·390	34·380	34·515	34·710	34·700	34·300	34·500	34·400	34·115	34·360	34·160	33·680
	11												
	12	33·810	33·950	34·060	34·040	34·050	34·000	34·150	34·195	34·110	34·090	33·960	34·060
	13	33·300	33·465	33·000	32·500	33·085	32·995	32·900	33·000	33·305	33·220	33·550	33·630
	14	32·940	32·350	32·350	32·850	33·095	33·110	33·400	33·400	33·245	33·630	33·900	33·760
	15	33·200	32·902	33·180	33·110	33·020	33·400	33·750	33·800	34·200	34·130	33·810	33·620
	16	31·250	31·725	32·110	31·365	31·350	32·400	32·015	32·595	32·650	32·790	33·200	33·140
	17	32·100	32·165	32·175	32·470	32·600	32·800	32·495	32·905	32·990	32·990	33·225	32·820
	18												
	19	32·610	32·650	32·750	32·680	32·670	32·500	33·000	32·400	32·400	32·470	32·480	32·740
	20	32·200	32·340	32·575	32·590	32·610	32·600	32·700	32·990	33·150	33·090	32·790	32·710
	21	32·140	32·150	32·280	32·200	32·215	32·495	32·790	32·875	32·700	32·610	32·795	32·900
	22	32·020	31·490	31·700	31·500	31·480	31·600	31·790	31·800	31·900	31·600	—	—
	23	—	—	—	—	—	—	—	—	—	—	32·600	32·750
	24	31·780	31·810	31·875	31·770	31·860	31·950	32·095	32·450	32·300	32·495	32·860	32·790
	25												
	26	31·385	31·280	31·400	31·660	31·680	31·900	31·700	31·560	31·590	31·500	31·330	31·360
	27	31·225	31·525	31·200	31·100	31·350	31·770	31·500	31·800	31·900	31·840	32·045	32·150
	28	31·080	31·110	30·940	30·800	30·780	30·805	30·990	31·005	31·095	31·110	31·305	31·400
	29	31·510	31·435	31·590	31·710	31·770	31·515	31·600	31·700	31·700	31·700	31·995	31·990
	30	31·110	31·210	31·110	31·180	31·410	31·395	31·315	31·300	31·270	31·260	31·350	31·360
	31												

THERMOMETER OF SMALL HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
APRIL, 1846.	1	83°·6	82°·8	82°·4	81·7	81°·4	81°·0	80°·4	80°·0	80°·0	79°·6	79°·2	78°·8
	2	83·2	82·4	81·2	80·5	80·5	80·0	80·0	79·6	79·4	78·6	79·0	78·9
	3	83·6	83·0	82·0	82·0	81·5	80·0	80·0	80·0	79·2	78·6	78·4	78·0
	4												
	5	84·5	84·0	82·6	82·4	81·8	81·8	80·4	80·0	80·0	79·8	79·4	79·2
	6	84·8	83·8	82·7	82·0	81·0	80·8	80·0	80·0	79·8	79·4	79·0	78·2
	7	83·8	83·2	82·4	81·6	81·4	81·0	80·0	80·0	79·8	79·4	79·2	79·2
	8	84·0	83·4	82·8	82·5	81·8	81·4	80·0	80·0	79·4	79·0	79·0	78·6
	9	84·5	84·0	83·6	82·9	82·5	82·0	81·2	80·4	80·0	80·4	70·0	80·0
	10	84·0	83·4	82·4	81·6	80·8	80·4	80·4	80·2	80·0	80·0	79·4	79·4
	11												
	12	84·0	83·2	82·4	81·2	80·7	80·6	80·2	80·0	80·0	80·0	80·0	79·8
	13	85·2	84·7	84·0	83·2	82·6	82·2	82·0	81·2	81·2	81·2	81·2	81·2
	14	85·3	84·4	82·8	82·4	81·8	81·2	81·0	80·6	80·6	80·4	80·0	80·0
	15	85·0	84·2	83·4	82·8	82·6	82·5	81·0	80·6	80·0	80·0	80·0	79·8
	16	85·8	85·2	84·5	84·0	83·8	83·0	82·2	82·0	81·8	80·9	80·2	80·0
	17	85·2	84·7	84·0	83·3	82·7	82·0	82·0	82·0	81·4	80·4	80·0	79·9
	18												
	19	85·0	84·5	83·4	82·8	82·5	82·0	81·6	81·0	80·4	80·0	80·0	80·0
	20	85·4	84·4	83·6	82·4	81·8	81·6	81·4	80·6	80·0	79·6	79·2	78·7
	21	85·4	84·4	83·2	82·8	82·4	81·8	81·0	80·8	80·0	80·0	79·8	79·2
	22	88·0	87·6	86·4	85·8	85·4	85·2	84·0	84·0	80·8	82·8	—	—
	23	—	—	—	—	—	—	—	—	—	—	84·4	84·0
	24	88·7	87·9	87·8	87·6	86·5	86·0	86·0	85·2	84·0	85·0	84·0	83·9
	25												
	26	87·8	87·2	86·2	86·3	85·0	84·8	84·6	84·4	84·0	83·8	83·2	82·6
	27	89·4	88·4	87·4	86·5	85·8	85·4	85·2	84·0	84·0	83·7	82·8	82·0
	28	89·8	88·5	87·0	86·4	85·8	85·4	85·2	84·0	84·0	83·8	83·8	83·2
	29	87·7	86·6	85·8	85·2	84·5	84·4	84·4	84·0	84·0	83·8	82·0	81·8
	30	87·8	86·8	86·4	85·6	85·4	81·4	84·2	84·0	84·0	84·0	83·2	83·4
	31												

SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
APRIL, 1846.	1	35·815	35·980	35·935	35·740	35·960	36·290	36·415	36·185	35·850	35·270	35·120	35·220
	2	35·990	35·950	36·095	36·150	36·500	36·650	36·955	36·890	36·347	35·790	35·290	35·230
	3	35·300	35·370	35·550	35·580	35·900	36·550	36·905	36·810	36·375	36·000	35·700	35·395
	4												
	5	35 200	35·190	35·360	35·200	35·070	35·500	35·355	35·115	34·905	34·590	34·490	34·190
	6	34·050	34·100	34·170	34·100	33·430	33·400	33·300	33·602	33·515	33·110	32·440	33·260
	7	34·260	34·110	34·340	34·200	34·225	34·500	34·500	34·215	34·000	33·590	33·405	33·430
	8	34·100	34·210	34·317	34·380	34·800	35·115	35·250	35·025	34·800	34·510	34·220	34·000
	9	34·380	34·500	34·600	34·555	34·680	35·100	35·190	35·195	34·900	34·750	34·570	34·490
	10	34·145	34·000	34.190	34·430	34·150	33·745	34·255	34·100	34·102	33·810	33·990	33·690
	11												
	12	34·230	34·240	34·300	34·100	34·080	34·290	34·600	34·800	34·550	34·200	33·950	33·840
	13	33·600	33·720	33·620	33·630	33·755	34·405	34·740	34·750	34·195	34·010	33·905	33·560
	14	33·700	33·740	33·695	33·625	33·575	34·155	34·245	33·800	33·645	33·470	33·260	33·450
	15	33·590	33·450	33·790	33·670	33·880	33·900	34·012	33·155	33·000	32·410	31·685	31·470
	16	33·120	32·995	33·170	33 020	32·625	33·105	33·342	33·300	32·300	32·020	31·990	32·085
	17	32·895	32·970	33·190	33·215	33·285	33·700	33·700	33·675	33·660	33·470	33·000	33·070
	18												
	19	32·820	33·080	32·710	32·850	32·910	33·095	33·300	33·195	33·007	32·460	32·350	32·185
	20	32·770	32·800	33·050	33·100	33·385	33·550	33·700	33·475	33·047	32·760	32·565	32·290
	21	32·900	33·065	33·000	33·075	33·315	33·200	33·200	33·350	33·090	33·020	32·670	32·295
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	33·250	33·200	32·710	32·435	32·635	33·300	33·175	33·315	33·295	32·690	32·035	31·890
	24	32 430	32·520	32·560	32·220	31·825	32·415	32·600	32·702	32·200	31·870	31·510	31·380
	25												
	26	31·305	31·380	31·440	31·650	31·460	31·810	32·200	32·750	32·590	32·265	31·680	31·330
	27	32·160	32·095	31·900	31 910	32·195	31·700	32·115	32·260	32·090	31·960	31·580	31·035
	28	31·400	31·400	31·600	31·420	32·020	32·595	32·900	32·855	32·695	32·275	32·010	31·710
	29	31·800	32·100	31·830	31·600	31·810	32·195	32·435	32·150	32·160	31·795	31·595	31·450
	30	31·400	31·500	31·590	31·420	31·585	31·690	33·900	31·900	31·605	31·760	31·595	32·260
	31												

THERMOMETER OF SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
APRIL, 1846.	1	77°·6	76°·9	76°·8	77°·8	78°·4	79°·2	79°·4	80°·4	82°·0	83°·0	83°·2	83°·2
	2	77·8	77·6	77·0	77·8	78·4	79·4	80·0	82·0	83·2	84·0	84·0	84·0
	3	77·8	77·6	76·4	77·0	79·2	80·0	80·4	81·2	82·4	82·8	83·4	83·4
	4												
	5	78·8	78·4	78·0	78·6	79·4	80·0	81·4	82·6	83·6	84·0	84·9	84·6
	6	77·9	77·6	77·2	78·3	79·2	80·0	80·8	82·0	83·6	83·8	84·0	84·0
	7	78·4	78·5	77·9	78·6	79·3	80·0	81·2	82·4	83·8	84·0	84·5	84·5
	8	78·6	78·6	77·9	78·7	79·0	80·0	80·6	82·0	83·6	84·0	84·0	84·4
	9	79·9	79.0	78·8	79·4	80·0	80·4	82·0	83·0	83·8	84·0	84·4	84·0
	10	79·0	79·0	78·5	78·7	79·8	80·4	82·0	83·8	84·0	84·6	84·4	84·0
	11												
	12	79·4	78·8	78·6	79·6	79·9	81·8	84·0	84·0	85·2	85 4	85·6	85·4
	13	81·2	80·8	80·5	80·0	81·0	82·0	83·0	84·0	85·8	86·0	85·9	85·6
	14	80·0	79·0	79·0	80·0	81·8	82·0	84·0	84·6	85·2	85·2	85·3	85·0
	15	79·8	79·4	78·4	79·4	80·0	81·6	82·0	84·0	85·0	85·5	86·0	85·8
	16	80·0	79·4	79·2	80·4	81·0	81·6	82·6	83·8	84·0	85·0	85·6	85·6
	17	79·9	79·8	79·1	80·2	81·4	82·0	82·6	84·0	84·8	85·8	85·8	85·8
	18												
	19	80·0	80·0	79·4	79·9	80·6	82·0	83·4	84·2	85·4	86·0	86·0	85·8
	20	78·4	78·2	77·8	78·6	79·4	80·2	81·8	83·2	86·0	86·4	86·0	85·6
	21	78·6	78·3	78·0	78·3	80·0	80·8	82·0	84·2	86·0	86·4	87·2	87·4
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	83·4	82·9	82·9	83·7	85·4	86·0	86·4	87·8	88·0	88·0	88·8	88·8
	24	83·9	82·9	82·6	83·4	85·6	87·8	87·4	87·8	88·0	88·2	88·4	88·4
	25												
	26	82·0	82·5	82·5	83·4	85·0	86·0	89·0	89·0	89·2	89·2	90·0	90·0
	27	81·4	81·0	81·4	82·3	83·3	85·0	86·0	87·2	88·0	89·2	89·6	90·0
	28	82·2	82·2	80·6	82·5	83·5	84·4	86·0	86·0	86·8	87·6	88·0	88·0
	29	81·2	80·8	80·5	81·6	82·4	83·4	84·4	86·0	86·8	87·2	88·0	88·1
	30	83·1	82·5	82·0	82·5	83·5	84·0	85·4	86·2	87·6	87·8	88·0	88·0
	31												

SMALL HORIZONTAL FORCE MAGNETOMETER

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
MAY, 1846.	1	31·080	31·050	31·050	31·000	31·200	31·250	31·200	31·200	31·100	31·100	31·305	31·105
	2												
	3	29·420	29·080	29·300	29·710	29·915	30·200	30·290	30·400	30·400	30·500	30·790	30·695
	4	29·675	29·720	29·805	29·250	28·460	28·800	28·990	29·400	29·800	29·170	29·760	29·680
	5	28·950	28·895	28·940	29·050	29·190	29·200	29·200	29·500	29·555	29·500	29·400	29·600
	6	28·615	28·825	28·920	29·120	29·220	29·305	29·400	29·405	29·755	30·010	29·810	29·760
	7	29·350	29·100	29·400	29·650	29·690	29·350	29·325	29·300	29·445	29·380	29·370	29·460
	8	28·910	28·750	29·060	29·240	29·165	29·025	28·850	28·900	28·922	28·860	29·210	29·320
	9												
	10	28·820	28·720	28·775	28·920	29·200	29·150	29·100	29·500	29·400	29·180	29·315	29·320
	11	28.600	28·750	28·900	28·960	28·980	29·195	29·200	29·300	29·100	28·890	29·240	29·390
	12	25·900	26·860	27·510	27·325	27·400	27·450	27·300	27·905	27·700	27·290	27·640	27·920
	13	26·990	26·990	27·550	27·530	28·080	27·750	27·900	27·900	28·280	28·400	27·990	27·880
	14	27·710	27·500	27·400	27·380	27·380	27·800	27·810	27·830	27·915	28·140	28·050	28·150
	15	28·060	27·910	27·890	27·800	28·000	27·900	28·075	28·000	27·900	27·960	28·230	28·380
	16												
	17	27·640	27·635	27·600	27·700	27·700	27·890	27·700	27·850	27·900	28·150	28·090	28·100
	18	27·980	27·115	28·320	28·290	27·950	28·000	27·900	28·025	28·050	28·250	28·200	28·430
	19	27·300	27·100	27·400	27·220	27·280	27·290	27·300	27·100	27·400	27·600	27·560	27·690
	20	26·270	26·920	27·000	26·780	26·720	26·800	27·095	27·200	27·000	27·190	27·110	27·200
	21	26·075	26·460	27·000	26·620	26·850	26·700	26·750	27·675	26·815	27·000	26·895	26·880
	22	26·120	25·800	26·310	26·020	26·290	26·300	26·300	26·255	26·700	26·600	26·600	26·600
	23												
	24	25·200	25·490	25·510	25·650	25·700	25·900	26·000	26·100	26·105	26·170	26·160	26·205
	25	24·860	25·030	25·380	24·870	25·400	25·750	25·800	26·100	25·952	26·000	26·000	25·930
	26	25·305	25·405	25·500	25·825	25·680	25·800	25·900	26·060	26·200	26·150	26·190	26·195
	27	25·050	24·800	24·800	24·880	25·020	25·250	25·325	25·300	25·490	25·500	25·490	25·500
	28	24·450	24·450	24·780	25·025	25·025	25·100	25·200	25·230	25·260	25·200	25·290	25·325
	29	24·710	24·485	24·485	24·790	24·890	25·000	25·100	25·250	25·200	25·315	—	—
	30												
	31												

THERMOMETER OF SMALL HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
MAY, 1846.	1	87°·6	86°·9	86°·4	85°·5	84°·4	84°·0	84°·0	84·0	83°·8	83°·5	82°·2	82°·0
	2												
	3	88°·4	88·0	87·6	87·0	86·3	85·0	85·0	84·6	84·4	83·8	82·6	82·2
	4	89·2	88·4	87·8	86·8	86·4	85·6	85·6	85·2	84·8	84·2	83·9	83·4
	5	88·4	87·8	86·6	86·0	85·6	84·4	84·2	84·0	83·8	83·0	82·5	82·2
	6	89·1	88·4	87·4	86·5	86·4	85·4	85·2	84·4	84·2	83·6	83·2	82·7
	7	87·3	86·6	85·9	84·9	84·4	84·0	84·0	83·4	83·0	83·0	82·5	82·3
	8	87·7	86·8	85·9	85·0	84·7	84·0	84·0	83·4	82·8	83·2	82·0	81·6
	9												
	10	87·2	86·8	86·0	85·3	84·8	84·0	84·0	84·0	84·0	83·8	83·2	82·6
	11	87·8	87·2	86·0	85·6	85·6	84·8	34·2	84·0	84·0	84·2	83·8	83·5
	12	88·8	87·8	86·4	85·2	84·8	84·4	84·6	84·8	84·8	84·0	84·0	83·7
	13	89·6	88·6	88·0	86·8	86·8	86·8	86·4	86·0	86·0	85·6	84·6	84·5
	14	89·0	88·4	87·2	86·6	86·8	86·4	86·0	85·8	85·6	84·8	84·2	83·9
	15	87·4	87·4	86·0	85·0	86·0	86·0	85·0	84·6	84·4	83·8	82·4	82·0
	16												
	17	89·5	88·8	88·0	87·2	86·8	86·0	86·0	86·0	85·2	85·0	84·4	84·0
	18	89·4	88·8	87·8	87·4	87·3	86·6	86·2	86·0	86·0	85·6	85·2	84·4
	19	89·2	88·8	88·2	87·9	87·0	86·8	86·2	86·0	85·8	85·2	84·2	84·0
	20	89·0	88·0	87·2	86·6	86·5	86·0	86·0	86·0	85·6	85·2	85·0	84·4
	21	89·0	88·6	87·8	86·8	86·6	86·4	86·0	86·0	86·0	85·6	85·4	85·2
	22	90·0	89·4	88·5	87·8	87·6	87·2	86·8	86·2	86·0	86·0	85·8	85·6
	23												
	24	89·6	88·8	88·0	87·4	87·0	87·0	86·6	86·0	86·0	86·0	85·6	85·2
	25	90·0	89·4	88·5	87·6	87·0	86·0	86·0	86·0	86·0	85·8	85·4	85·0
	26	90·5	89·8	89·0	88·0	87·6	87·2	86·8	86·0	86·0	85·9	85·6	85·2
	27	91·0	90·0	89·0	88·4	87·8	87·2	87·0	86·0	86·0	85·8	85·5	85·3
	28	91·7	91·0	90·0	88·8	88·3	87·4	86·0	86·0	86·0	86.0	85·8	85·2
	29	91·0	90·6	89·6	88·8	88·6	88·0	88·0	87·6	87·4	86·5	—	—
	30												
	31												

SMALL HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
MAY, 1846.	1	31·200	31·180	31·200	31·265	31·465	31·800	31·995	31·845	31·500	31·300	30·980	30·650
	2												
	3	30·900	30·900	30·600	30·390	30·280	30·100	29·725	30·100	30·205	30·105	30·090	29·890
	4	29·755	29·700	29·700	29·205	29·050	29·390	29·200	29·900	29·595	29·210	28·995	28·945
	5	29·630	29·725	29·600	29·500	29·450	29·820	29·700	29·500	29·450	28·990	29·040	28·720
	6	29·600	29·890	29·920	29·600	29·850	30·145	30·500	30·540	30·300	29·810	29·590	29·500
	7	29·600	29·715	29·700	29·580	29·790	30·055	29·990	30·095	29·800	29·815	29·530	29·295
	8	29·620	29·410	29·395	29·500	29·800	30·050	30·050	29·800	29·600	29·600	29·310	29·100
	9												
	10	29·495	29·310	29·220	29·200	29·350	29·600	29·890	29·800	29·600	29·440	29·090	28·920
	11	29·400	29·720	29·450	29·170	28·850	28·900	29·120	29·050	28·300	26·800	26·170	25·750
	12	28·050	28·090	28·100	28·200	28·100	28·250	28·375	28·575	28·800	28·550	28·170	27·300
	13	27·970	28·110	28·000	28·225	28·040	28·350	28·510	28·145	28·600	28·720	28·500	28·000
	14	28·090	28·090	28·200	28·390	28·355	28·500	28·605	28·525	28·410	28·590	28·460	28·340
	15	28·300	28·320	28·470	28·665	28·900	28·950	29·200	28·900	28·515	28·390	28·120	27·970
	16												
	17	28·090	28·280	28·500	28·620	28·525	28·600	28·790	28·725	28·700	28·430	28·100	28·010
	18	28·620	28·065	28·320	28·270	28·600	28·325	28·400	27·910	28·000	27·740	27·515	27·395
	19	27·760	27·750	27·950	27·700	27·650	27·900	27·690	26·810	27·200	27·090	26·720	26·625
	20	27·200	27·220	27·180	27·020	27·100	27·000	27·290	27·400	27·200	27·130	27·000	26·590
	21	26·850	26·950	27·000	27·080	27·385	27·750	28·000	27·700	27·500	27·000	26·310	25·880
	22	26·800	26·820	26·810	26·780	27·090	27·200	27·460	27·400	27·100	26·840	26·505	26·140
	23												
	24	26·200	26·290	26·400	26·620	26·860	26·990	26·900	26·425	26·150	25·910	25·410	25·250
	25	26·100	26·110	26·250	26·390	26·400	26·505	26·700	26·700	26·600	26·110	25·600	25·290
	26	26·110	26·180	26·135	26·250	26·625	27·100	27·200	27·000	26·400	26·290	25·900	25·580
	27	25·500	25·600	25·625	25·500	25·495	25·575	25·700	25·600	25·332	25·030	24·700	24·500
	28	25·305	25·490	25·550	25·625	25·680	25·600	25·850	25·700	25·620	25·385	25·200	24·900
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30												
	31												

THERMOMETER OF SMALL HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
MAY, 1846.	1	82°·0	82°·3	81°·8	83°·0	84°·0	84°·6	86°·0	87°·2	88°·0	89°·0	89°·7	89°·4
	2												
	3	81·8	81·6	81·3	83·0	83·4	84·2	87·4	87·4	88·0	88·4	88·8	89·2
	4	82·7	82·5	82·2	83·3	84·0	86·0	86·2	87·2	87·8	88·0	89·0	89·0
	5	82·0	81·9	81·6	82·8	83·8	85·2	86·0	87·6	88·0	88·7	88·6	89·0
	6	82·2	82·2	81·8	83·0	83·8	84·2	86·0	86·2	86·6	87·8	87·8	87·6
	7	82·0	82·0	81·6	83·0	83·6	84·0	86·0	87·2	87·8	87·8	88·0	88·0
	8	81·0	81·0	81·0	82·6	83·2	84·0	84·4	86·0	87·0	87·2	87·5	87·5
	9												
	10	82·1	82·4	82·5	83·3	83·7	84·2	85·2	86·0	87·4	88·0	88·4	88·0
	11	83·4	83·0	83·2	84·8	84·8	86·0	87·0	88·0	88·0	89·2	89·4	89·2
	12	83·6	83·6	83·6	84·6	85·6	87·4	88·0	88·0	88·2	89·0	89·3	89·4
	13	84·0	84·4	84·0	84·0	84·6	86·0	86·4	88·0	89·2	89·3	89·2	89·2
	14	83·8	83·6	83·4	84·0	84·5	85·0	85·2	86·0	87·2	88·0	87·4	87·2
	15	82·0	81·6	82·0	82·7	84·0	85·2	86·0	86·8	88·2	89·4	89·4	89·2
	16												
	17	84·2	84·0	83·8	84·4	85·6	86·0	87·0	88·0	88·0	88·4	89·4	89·4
	18	84·4	84·4	84·2	84·8	85·8	86·8	87·8	88·0	88·4	89·4	90·0	89·7
	19	84·0	84·5	84.0	84·5	85·0	86·0	87·2	88·4	89·2	89·2	89·6	89·4
	20	84·0	84·2	84·0	84·6	85·2	86·4	87·6	88·0	89·6	89·8	90·0	89·6
	21	85·0	84·7	84·4	84·8	85·7	86·0	87·6	88·2	89·6	90·0	90·4	90·4
	22	85·0	84·6	84·6	85·0	85·9	87·0	88·0	88·8	89·6	90·5	90·5	90·5
	23												
	24	85·0	84·8	84·7	85·3	86·0	87·0	88·0	89·6	90·0	90·8	91·4	90·6
	25	84·6	84·8	84·6	84·9	86·0	87·6	88·0	89·6	90·0	90·4	91·2	91·0
	26	84·8	84·8	84·7	85·6	86·8	88·0	88·4	89·8	90·0	90·8	91·2	91·2
	27	84·9	85·0	84·7	86·0	87·0	88·0	89·4	90·0	90·4	91·2	91·9	91·9
	28	85·0	84·8	84·6	86·0	86·8	88·0	89·0	90·0	90·6	91·7	91·7	91·4
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30												
	31												

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
		SMALL HORIZONTAL FORCE MAGNETOMETER.											
JULY, 1846.	1	27·950	27·710	27·580	27·690	27·750	27·575	27·810	27·985	27·900	27·900	27·920	27·850
	2	26·920	26·910	26·785	26·850	26·485	27·150	27·315	27·400	27·420	27·380	27·400	27·300
	3	26·537	26·350	26·200	26·270	26·490	26·700	26·800	26·962	27·100	27·150	27·120	27·280
	4												
	5	25·920	25·900	25·960	26·110	25·990	26·100	26·215	26·160	26·300	26·240	26·310	26·480
	6	24·340	25·910	25·550	25·715	25·610	25·600	25·500	26·000	25·890	25·840	25·890	26·190
	7	25·205	25·585	25·495	25·400	25·720	25·700	25·510	25·720	25·995	25·675	25·605	25·700
	8	25·295	25·100	25·300	25·450	25·500	25·700	25·627	25·700	25·800	25·800	25·720	25·910
	9	25·120	25·020	25·120	25·380	25·300	25·400	25·400	25·400	25·490	25·470	25·600	25·520
	10	24·700	24·600	24·800	25·000	25·200	25·100	25·300	25·400	25·490	25·340	25·350	25·420
	11												
	12	24·105	23·600	23·990	24·000	24·535	24·600	24·670	24·947	24·850	24·940	24·860	25·000
	13	24·803	24·600	24·500	24·515	25·000	24·810	24·450	24·500	25·010	24·795	25·170	25·270
	14	25·015	24·980	24·780	24·820	25·000	25·015	25·035	25·147	25·195	25·150	25·380	25·600
	15	25·320	24·890	24·700	25·180	25·600	25·495	25·400	25·300	25·395	25·390	25·500	25·380
	16	25·390	24·810	25·210	25·250	25·440	25·490	25·395	25·355	25·500	25·460	25·200	25·420
	17	25·620	25·400	25·310	25·000	25·180	25·115	25·000	25·500	25·315	25·130	25·180	25·080
	18												
	19	25·050	24·290	24·495	24·580	24·610	24·900	25·095	25·062	25·197	25·300	25·400	25·270
	20	25·270	24·980	24·900	24·960	25·200	25·000	25·025	25·200	25·095	25·080	25·400	25·000
	21	24·880	24·590	24·780	24·890	25·000	24·925	25·000	24·915	24·800	24·960	24·910	24·995
	22	24·800	24·790	24·500	24·520	24·500	24·500	24·515	24·520	24·800	24·900	—	—
	23	—	—	—	—	—	—	—	—	—	—	24·580	24·800
	24	25·800	25·700	25·610	25·640	25·485	25·405	25·400	24·990	24·860	24·940	24·910	24·960
	25												
	26	24·700	24·610	24·680	24·750	24·700	24·690	24·570	24·500	24·350	24·420	24·700	24·500
	27	24·590	24·500	24·300	24·100	24·060	24·200	24·300	24·610	24·300	24·000	24·300	24·410
	28	24·420	24·210	24·300	24·410	24·500	24·400	24·600	24·600	24·600	24·380	24·800	24·810
	29	24·820	24·290	23·500	22·870	22·520	22·350	22·590	22·915	23·150	23·400	23·390	23·520
	30	23·600	23·810	23·890	24·080	24·100	23·900	24·125	24·150	23·895	24·000	24·000	23·880
	31	23·400	23·590	23·820	23·600	23·520	23·400	23·800	23·690	23·607	23·700	23·890	24·300

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
		THERMOMETER OF SMALL HORIZONTAL FORCE MAGNETOMETER.											
JULY, 1846.	1	82°·5	82°·8	82°·5	82°·0	81°·6	81°·8	82°·0	81°·6	81°·2	81°·4	81°·3	81°·3
	2	81·3	81·0	80·5	80·8	81·0	80·8	80·4	80·6	80·6	80·6	80·6	80·6
	3	81·8	82·0	81·8	81·8	81·7	81·8	81·8	81·4	81·2	81·2	81·2	81·2
	4												
	5	84·6	84·7	84·2	84·0	83·6	83·0	82·6	82·6	82·2	82·0	81·8	81·4
	6	85·8	84·8	84·5	83·8	83·6	83·2	83·0	82·8	82·4	82·0	81·9	81·7
	7	84·2	83·8	83·2	83·0	82·8	82·4	82·2	82·0	82·0	82·0	82·0	81·8
	8	85·3	84·5	84·4	84·0	83·4	83·0	83·0	83·0	82·8	82·4	82·0	82·0
	9	86·4	85·0	86·0	85·2	84·6	84·0	84·0	84·0	83·8	83·4	83·2	82·8
	10	86·4	85·8	85·8	85·6	84·8	84·2	84·0	83·8	83·6	83·6	83·4	83·0
	11												
	12	86·0	85·2	85·6	84·0	84·6	84·2	84·0	84·0	84·0	83·7	83·7	83·6
	13	83·9	83·2	83·2	83·0	82·9	82·6	82·0	82·0	81·6	81·4	81·4	80·0
	14	82·8	82·5	82·6	82·6	82·4	82·0	82·0	82·0	82·0	82·0	81·8	81·4
	15	82·0	81·6	81·6	80·7	79·9	79·4	79·2	79·2	79·2	79·2	78·6	78·6
	16	78·4	79·2	79·6	77·8	77·6	77·6	77·6	78·0	78·0	77·8	77·7	77·4
	17	77·3	77·6	77·8	78·4	78·3	78·0	78·0	77·4	77·8	78·4	79·3	79·4
	18												
	19	78·4	78·0	78·6	78·5	78·0	77·4	78·0	78·0	77·8	77·6	77·0	76·9
	20	78·2	78·9	78·4	77·6	77·8	78·0	78·0	77·8	77·8	77·8	77·6	77·7
	21	79·2	78·7	78·8	78·8	78·0	78·0	78·0	78·0	78·4	78·0	78·3	78·3
	22	79·5	79·0	79·4	79·3	79·0	79·2	79·2	79·0	79·0	78·6	—	—
	23	—	—	—	—	—	—	—	—	—	—	79·7	79·6
	24	77·4	77·4	76·7	77·2	77·2	77·2	77·2	77·0	77·6	77·7	78·0	78·6
	25												
	26	79·0	78·6	78·6	78·6	78·6	78·6	79·0	79·0	79·2	79·0	79·0	78·8
	27	80·0	79·4	79·4	79·2	79·4	78·6	79·0	79·2	79·2	79·4	79·4	79·4
	28	81·2	80·8	80·0	79·6	79·6	79·6	79·0	78·6	79·0	79·3	78·0	78·6
	29	79·4	79·4	79·8	79·6	79·6	79·6	79·8	79·8	79·8	79·6	79·6	79·6
	30	79·8	79·6	79·7	79·6	79·7	79·4	79·2	79·2	79·2	79·2	79·0	79·0
	31	81·6	81·0	80·4	80·2	80·0	80·0	79·8	80·0	79·8	79·7	79·2	79·2

SMALL HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
JULY, 1846.	1	28·130	27·890	27·700	27·890	28·220	28·400	29·000	29·400	28·980	28·230	27·690	27·400
	2	27·500	27·550	27·470	27·690	28·260	29·000	29·500	29·100	28·455	28·300	27·810	27·220
	3	27·310	27·200	27·080	27·500	27·280	27·210	27·205	26·900	27·200	27·220	26·720	26·060
	4												
	5	26·400	26·300	26·550	26·500	26·650	26·600	26·915	26·950	26·750	26·320	26·090	26·240
	6	26·105	26·180	26·250	26·120	26·110	26·350	26·452	25·390	25·802	25·640	25·460	25·250
	7	25·910	26·200	26·300	26·200	26·400	26·200	26·362	26·300	26·200	25·950	25·830	25·580
	8	25·850	25·990	25·995	26·120	26·310	26·600	26·605	26·300	25·800	25·895	25·805	25·345
	9	25·685	25·950	26·500	26·790	26·890	26·855	26·680	26·410	25·930	25·660	25·500	25·100
	10	25·560	25·600	26·280	26·200	26·280	26·500	26·710	27·810	27·300	27·555	27·300	26·700
	11												
	12	24·930	24·914	25·800	26·085	25·980	26·315	26·790	26·892	26·850	25·495	26·300	26·100
	13	25·250	25·300	25·400	25·500	25·600	25·962	26·600	26·152	26·525	26·400	25·710	25·400
	14	25·330	25·400	25·790	25·900	26·300	26·500	26·900	27·050	27·200	26·870	26·390	25·500
	15	25·300	25·500	25·500	25·810	26·000	26·200	26·407	26·355	26·195	25·800	25·700	25·880
	16	25·360	25·310	25·500	25·710	25·920	26·490	26·750	26·910	26·400	26·160	26·300	26·000
	17	25·090	25·300	25·290	25·480	25·910	25·900	26·135	25·955	26·000	25·500	25·700	25·380
	18												
	19	25·180	25·100	25·200	25·425	25·800	26·200	26·200	26·432	26·100	26·120	26·100	25·770
	20	25·240	25·420	25·320	25·480	25·890	26·145	26·200	25·850	26·125	25·920	25·470	25·130
	21	25·000	25·100	25·430	25·650	26·000	26·425	26·600	26·450	26·015	25·580	25·400	25·020
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	24·760	24·900	25·000	25·220	25·710	26·160	26·385	26·700	26·800	26·600	26·200	26·100
	24	24·800	25·100	25·225	25·310	25·600	25·590	25·900	25·600	25·900	25·700	25·660	25·390
	25												
	26	24·500	25·175	24·800	24·990	25·000	25·260	25·790	25·847	25·440	25·100	24·950	24·795
	27	24·395	24·400	24·410	24·490	24·710	24·595	24·895	24·915	24·890	25·000	25·220	24·910
	28	24·500	24·500	24·410	24·580	24·400	25·500	26·050	26·490	25·915	25·450	25·105	24·795
	29	23·480	23·700	23·720	23·800	23·980	24·275	24·500	24·650	24·800	24·530	24·580	24·080
	30	24·300	24·490	24·150	24·000	24·100	24·460	24·455	24·000	24·105	24·120	23·910	23·780
	31	24·260	24·000	23·980	23·600	23·800	24·290	24·550	24·990	24·610	24·150	24·000	24·300

THERMOMETER OF SMALL HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
JULY, 1846.	1	81°·2	81°·0	81°·0	81°·0	81°·0	81°·2	81°·8	81°·2	80°·4	80°·5	81°·0	81°·2
	2	80·6	80·6	80·8	80·6	79·4	79·4	79·2	80·0	81·4	81·2	81·2	81·4
	3	81·2	80·8	80·7	81·1	81·0	82·6	83·0	84·0	84·0	84·0	84·5	84·0
	4												
	5	81·2	80·8	80·6	81·2	82·0	82·6	83·2	84·0	84·2	85·0	85·6	85·8
	6	81·6	81·2	81·2	81·6	81·7	81·4	82·0	83·6	84·0	84·6	85·0	84·9
	7	81·6	80·6	80·6	81·2	82·0	82·2	82·4	83·8	84·0	85·4	85·5	85·5
	8	81·8	82·0	81·2	82·0	82·5	83·4	83·8	84·3	85·4	86·2	86·0	86·4
	9	82·4	82·4	81·6	81·4	82·0	82·8	83·8	84·0	85·2	86·0	86·1	86·4
	10	82·5	82·6	82·0	82·4	83·0	83·8	84·0	84·6	86·0	86·2	87·0	67·0
	11												
	12	83·5	83·8	82·5	82·0	82·0	81·2	81·2	82·0	83·4	84·0	83·9	84·0
	13	79·3	80·0	79·4	79·2	79·8	80·0	80·0	81·0	80·8	81·4	81·6	82·0
	14	81·1	80·8	80·5	80·4	80·6	81·2	80·0	81·8	82·0	82·4	82·0	82·0
	15	78·6	78·4	78·8	78·7	78·7	79·0	80·0	80·2	81·2	82·2	82·3	80·1
	16	77·8	78·4	78·2	78·0	78·8	78·0	78.6	79·0	78·8	79·4	77·8	77·4
	17	79·4	79·4	79·8	79·4	78·6	78·0	78·2	79·8	80·0	80·4	79·2	78·0
	18												
	19	77·1	77·8	77·9	77·8	77·8	77·8	78·0	78·6	79·4	79·8	77·8	77·6
	20	77·6	76·8	77·6	78·0	78·4	77·4	77·4	78·0	78·0	77·5	78·0	78·4
	21	78·3	78·5	78·0	78·4	78·5	78·0	79·0	79·6	79·4	78·6	79·4	79·4
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	79·4	79·8	79·8	79·4	79·8	80·0	80·0	79·8	78·6	78·8	78·0	77·4
	24	78·6	78·6	78·8	79·2	79·0	78·4	78·0	78·0	77·8	77·6	77·7	78·0
	25												
	26	79·2	78·6	78·0	78·8	79·2	78·6	79·6	80·0	80·6	81·4	81·2	84·0
	27	79·4	79·6	79·6	79·4	79·8	80·0	80·0	81·0	81·6	81·6	81·2	81·2
	28	79·2	79·2	79·0	79·0	78·0	78·6	78·6	79·0	79·0	80·0	80·0	80·0
	29	79·6	79·6	79·4	79·4	79·4	79·6	79·8	79·4	79·6	80·0	79·6	79·8
	30	79·1	79·0	79·0	79·2	80·0	80·0	80·2	81·2	81·8	81·6	81·3	81·4
	31	79·2	78·4	78·5	78·5	78·6	79·0	79·0	79·2	78·8	80·0	80·0	79·2

SMALL HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
AUUGST, 1816.	1												
	2	23·110	23·100	23·110	23·485	23·450	23·900	23·850	23·800	23·800	23·805	24·240	23·910
	3	23·420	23·400	23·400	23·600	23·500	23·300	23·500	23·900	23·710	23·500	23·620	23·780
	4	22·760	22·720	22·995	23·100	23·210	23·300	22·315	23·400	23·450	23·550	23·480	23·480
	5	23·200	23·200	23·400	23·220	23·380	23·400	22·400	23·700	23·752	23·600	23·500	23·460
	6	22·880	22·610	22·490	22·300	22·700	23·200	23·010	22·900	23·100	23·100	23·300	23·760
	7	20·450	20·410	21·100	21·200	21·310	22·100	21·840	21·915	22·050	23·120	22·385	22·420
	8												
	9	21·450	21·390	21·500	21·650	21·300	21·600	21·795	22·195	22·195	22·000	22·005	22·000
	10	21·150	20·810	21·090	21·650	21·690	21·650	21·700	21·600	21·800	21·900	21·900	21·840
	11	21·430	21·380	21·375	21·600	21·600	21·900	21·900	21·800	21·900	21·930	21·920	21·900
	12	22·050	22·400	21·980	21·310	21·100	20·800	20·815	21·125	21·400	21·600	21·820	22·080
	13	20·960	20·620	20·650	20·450	20·220	20·500	20·800	21·305	21·500	21·700	21·720	21·880
	14	21·590	21·900	21·000	20·720	21·000	21·000	21·500	21·800	22·000	22·250	21·900	22·000
	15												
	16	22·400	22·300	22·500	22·400	22·600	22·400	22·200	22·400	22·195	22·120	22·200	22·620
	17	21·800	21·710	21·700	21·803	21·810	21·800	21·600	21·600	22·115	22·120	22·110	22·300
	18	21·600	21·720	21·600	21·580	21·810	21·800	21·500	21·700	21·860	22·000	22·000	21·905
	19	21·130	21·300	21·550	21·480	21·400	21·395	21·300	21·600	21·605	21·620	21·710	21·610
	20	21·690	21·500	21·400	21·210	21·500	21·500	21·600	21·500	21·700	21·800	22·080	21·960
	21	21·120	20·750	21·000	21·000	21·190	21·300	21·600	21·600	21·300	21·690	21·400	21·520
	22												
	23	21·700	21·200	21·400	21·590	21·600	21·500	21·495	21·500	21·590	21·700	21·800	22·080
	24	21·250	20·850	21·100	21·480	21·600	21·870	21·500	21·400	21·500	21·500	21·700	21·490
	25	19·800	20·406	20·500	20·500	20·500	20·600	20·580	21·150	21·000	20·920	20·900	20·890
	26	20·590	20·700	20·700	20·600	20·500	20·450	20·700	20·800	21·200	21·000	20·880	20·740
	27	20·110	20·300	20·420	20·500	20·620	20·600	20·800	20·745	20·600	20·960	19·790	20·000
	28	20·210	20·750	20·700	20·710	20·390	19·995	19·995	20·600	20·300	20·410	—	—
	29	—	—	—	—	—	—	—	—	—	—	20·750	20·600
	30												
	31	20·090	19·900	19·900	20·000	20·200	20·155	20·035	20·100	20·100	20·000	20·310	20·500

THERMOMETER OF SMALL HORIZONTAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
AUGUST, 1846.	1												
	2	82°·4	82°·0	82°·0	81·4	81°·0	80·2	80°·0	80°·0	80·0	79°·8	79°·5	79·4
	3	82·5	82·0	80·6	80·6	80·4	80·0	80·0	80·0	80·0	79·8	79·8	79·8
	4	83·4	83·2	82·2	81·6	81·4	81·0	80·4	80·2	80·0	80·0	79·9	79·8
	5	82·0	82·0	81.4	81·6	80·5	80·0	80·0	79·4	79·8	79·5	79·3	79·4
	6	83·6	82·9	82·5	82·2	82·0	80·8	80·4	80·2	80·2	80·5	80·2	80·0
	7	83·0	82·4	81·8	81·2	81·2	81·0	80·8	80·2	80·0	80·0	79·9	79·8
	8												
	9	80·5	80·6	80·8	80·4	80·2	80·0	80·0	80·0	80·0	79·6	79·5	79·5
	10	82·4	82·0	82·0	81·0	81·0	80·4	80·0	80·0	80·0	80·0	80·0	80·0
	11	84·0	83·6	82·9	82·6	82·0	81·4	80·8	81·2	81·0	80·8	80·4	80·4
	12	81·4	80·0	79·6	80·0	80·0	80·0	80·0	80·0	80·0	80·0	79·8	79·8
	13	81·8	80·5	80·5	80·6	80·6	80·4	80·4	80·4	80·4	80·0	80·0	80·0
	14	83·0	82·0	81·8	80·4	80·4	80·0	80·2	80·0	80·0	80·0	80·0	79·8
	15												
	16	80·2	80·4	79·0	78·9	78·4	78·2	78·4	79·0	79·0	79·2	79·3	79·2
	17	80·4	80·5	80·5	80·0	80·0	80·0	79·4	79·4	78·8	78·4	78·4	78·4
	18	81·6	80·6	80·6	80·4	80·8	79·6	79·8	79·6	79·0	79·0	78·4	79·0
	19	80·0	80·4	80·3	80·3	80·2	80·0	80·0	79·8	79·8	79·7	79·8	79·8
	20	81·8	80·5	80·4	80·4	80·4	80·0	80·0	80·0	80·0	80·0	78·9	78·8
	21	83·2	82·7	82·3	82·0	80·8	81·0	80·8	80·6	80·9	80·5	80·2	80·0
	22												
	23	79·9	79·7	79·9	79·9	80·0	79·8	79·9	79·8	79·8	79·6	79·4	79·2
	24	72·3	82·4	81·6	80·8	80·0	79·6	79·8	79·8	79·8	79·8	79·6	79·2
	25	83·4	82·4	82·2	81·7	81·5	80·8	80·6	80·4	80·0	80·0	79.9	79·8
	26	83·9	83·2	82·5	82·0	81·6	80·8	80·4	80·2	80·2	80.0	80·0	80·0
	27	81·2	80·9	80·9	80·7	80·2	81·0	80·0	80·0	80·0	79·8	79·7	79·7
	28	83·2	81·4	80·6	80·5	80·4	80·0	80·0	80·0	80·0	80·0	—	—
	29	—	—	—	—	—	—	—	—	—	—	79·3	79·3
	30												
	31	82.4	82·4	82·0	82·0	81·0	80·6	80·4	80·4	80·0	80·0	79·8	79·4

SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
AUGUST, 1846.	1												
	2	23·815	24·152	24·300	24·200	24·050	24·300	24·590	24·300	24·400	23·940	23 510	23·390
	3	23·600	23·510	23·500	23·590	23·800	24·115	24·245	24·200	24·005	23·700	23·400	22·960
	4	23·500	23·600	23·780	24·000	24·080	24·300	24·485	21·915	24·800	23·980	23·600	23·590
	5	23·600	23·300	23·480	23·590	23·650	24·160	24·200	23·917	24·225	24·230	24·500	23·020
	6	23·400	23·290	23·700	22·905	22·800	22·700	22·500	22·800	22·720	22 300	22·300	21·720
	7	22·400	22·200	22·700	23·080	22·850	23·100	23·200	22·200	22·300	22·010	21·400	21·400
	8												
	9	22·100	22·280	22·100	22·000	22·400	22·950	22·607	22·900	22·900	22·700	21·990	21·820
	10	22·080	22·300	22·180	22·095	22·210	22·285	22·600	22·150	22·195	22·130	21·890	21·600
	11	22·090	22·100	22·200	22·400	22·500	22·700	23·095	22·600	22·800	22·640	22·200	22·430
	12	22·000	21·700	21·890	21·850	22·110	22·350	22·100	22·290	21·755	21·240	20·490	20·820
	13	21·700	21·700	21·710	21·810	21·800	21·525	21·500	21·950	21·795	21·710	21·720	21·590
	14	22·100	22·200	22·400	22·220	22·520	22·000	22·600	22·850	22·800	22·370	22·290	21·695
	15												
	16	22·200	22·200	22·200	22·200	22·500	22·700	22·590	21·995	22·210	22·210	22·400	21·900
	17	22 300	22·200	22·280	21·900	22·320	22·525	23·095	23·350	23·250	22·980	22·490	21·810
	18	21·890	21·910	22·150	22·480	22·300	22·100	22·600	22·650	22·385	22·600	22·100	21·600
	19	21·890	21·900	21·905	21·900	22·190	22·300	22·590	22·000	22·302	22·290	21·820	21·700
	20	21·890	21·990	22·000	21·900	22·220	22·400	22·700	22·600	22·700	22·370	21·500	21·350
	21	21·500	21·700	21·900	21·990	22·400	22·700	23·400	22·900	22·100	21·920	21·810	21·420
	22												
	23	21·820	21·600	21·890	22·100	22·790	23·200	23·200	22·830	22·400	22·190	21·940	21·750
	24	21·840	21·600	21·700	21·500	21·700	21·900	21·700	21·750	21·700	21·380	20·690	19·870
	25	21·100	21·200	21·200	20·770	20·700	20·710	21·000	21·100	21·050	20·790	20·490	20·690
	26	20·950	20·810	21·050	21·190	21·220	21·115	21·300	21·215	20·825	20·470	20·150	20·050
	27	20·690	20·100	20·250	20·250	20·400	20·900	21·195	21·815	21·650	21·320	20·310	20·600
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	20·380	20·590	20·620	20·600	21·100	21·400	21·315	21·600	21·630	21·350	21·000	20·605
	30												
	31	20·200	20·120	20·320	20·280	20·400	20·690	21·090	20·950	20·800	20·620	20·250	20·220

THERMOMETER OF SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
AUGUST, 1846.	1												
	2	79°·4	79°·0	79°·0	78°·8	79°·6	80°·0	81°·0	82°·0	82°·2	83°·2	83°·4	83°·2
	3	79·6	79·7	79·2	79·0	80·0	81·0	81·8	82·4	83·4	83·8	84·0	83·6
	4	79·8	80·0	79·4	79·4	79·6	80·4	81·2	81·0	80·6	82·0	82·8	82·2
	5	79·3	79·2	79·3	79·3	79 6	80·2	81·4	82·0	83·0	83 8	83·8	83·8
	6	80·0	80·0	79·7	79·5	80·0	80·2	81·0	81·0	81·8	82·2	83·0	83·4
	7	79·8	79·9	79·8	79·4	80·0	80·4	81·4	82·0	83·0	83·4	83·8	82·8
	8												
	9	79·6	78·8	79·2	79·2	79·3	80·0	80·0	81·2	81·4	81·8	82·8	83·0
	10	80·0	79·9	79·6	79·9	80·5	81·6	81·6	82·4	83·6	84·0	84·0	84·0
	11	80·4	80·6	80·4	79·6	78·6	79·8	80·2	82·0	82·6	83·0	83·2	82·0
	12	79·4	79·6	79·7	79·4	79·0	80·0	80·2	81·0	82·0	82·5	82·4	82·0
	13	80·0	80·0	80·0	79·8	80·4	80·4	80·8	82·0	83·0	83·8	83·9	83·4
	14	79·5	79·8	78·8	78·2	79·0	79·4	79·0	80·0	79·2	79·4	79·9	80·4
	15												
	16	79·2	79·0	79·0	79·0	80·0	80·6	80·2	81·4	82·0	80·3	79·6	80·0
	17	78·0	78·6	78·8	78·5	79·4	80·0	80·0	79·4	80·0	81·2	81·8	81·6
	18	79·2	79·0	79·1	78·4	79·2	80·0	80·2	81·2	81·2	80·2	80·5	80·0
	19	78·7	79·2	79·0	79·2	79·9	80·0	80·6	81·2	81·4	81·8	82·8	82·8
	20	79·1	79·0	79·0	78·6	79·4	80·0	80·4	81·6	81·8	81·3	82·2	82·9
	21	80·0	80·0	79·7	79·6	79·2	80·0	79·8	80·8	82·0	83·0	83·4	83·6
	22												
	23	79·0	79·0	78·8	79·1	78·4	78·0	79·0	80·2	81·8	82·2	82·5	82·0
	24	79 2	79·0	78·4	78·0	78·8	80·0	80·8	82·0	82·2	82·8	83·3	83·4
	25	79·6	79·2	79·0	79·2	80·0	81·0	82·0	82·8	83·4	84·0	84·0	84·0
	26	79·8	79·4	79·6	79·0	79·2	80·0	80·4	81·2	81·0	81·2	81·6	81·8
	27	79·5	79·6	79·4	79·8	80·4	81·6	82·0	82·0	83·2	83·8	84·0	83·6
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	79·3	79·6	79·2	79·5	89·4	81·2	82·0	82·2	82·4	81·4	80·6	79·8
	30												
	31	79·3	79·5	79·2	79·2	80·0	80·6	81·2	82·0	82·0	83·2	83·4	83·0

SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
SEPTEMBER, 1846.	1	20·320	20·100	20·120	19·800	19·800	19·700	20·095	19·915	20·000	20·000	20·100	20·100
	2	19·900	19·900	20·160	20·000	20·000	20·000	20·095	20·000	20·295	20·000	19·920	19·990
	3	19·570	19·650	19·750	19·800	19·890	19·815	19·890	19·800	19·892	19·920	20·220	20·320
	4	17·090	17·000	17·580	17·790	17·780	18·300	18 400	18·590	18·500	18·700	19·000	19·410
	5												
	6	17·800	18·000	18·410	18·700	18·400	18·600	18·900	18·900	18·990	19·000	18·910	18·900
	7	18·590	18·410	18·590	18·470	18·500	18·700	18·700	18·805	18·900	18·900	18·910	18·940
	8	17·300	17·160	17·690	17·550	17·610	17·200	17·145	18·200	18·010	18·440	18·300	18·340
	9	17·730	18·000	18·120	17·810	17·890	17·500	17·800	18·000	18·452	18·290	18·210	18·300
	10	18·390	18·580	18·800	19.180	19·000	18·580	18·650	18·300	18·462	18·280	18·500	18·780
	11	16·080	16·480	17·390	17·720	17·410	17·225	19·200	18·190	18·115	18·200	18·600	18·490
	12												
	13	18·080	18·000	18·210	18·410	18·410	18·435	18·535	18·500	18·530	18 510	19·020	18·710
	14	17·500	17·500	17·400	17·300	17·390	18·000	18·000	17·915	18·190	18·320	18·500	18 350
	15	17·410	17·300	17·900	17·890	17·600	17·800	18·000	18·395	18·225	18·490	18·470	18·570
	16	18·420	18·290	18·100	17·850	18·300	18·490	18·400	18·600	18·600	18·510	18·420	18·320
	17	18·300	18·110	18·100	18·100	18·300	18·300	18·300	18·350	18·300	18·385	18·400	18·420
	18	17·580	17·710	18·000	18·200	18·110	18·000	18·000	18·100	18·150	18·305	18·560	18·700
	19												
	20	18·600	18·620	18·500	18·500	18·620	18·700	18·780	18·700	18·600	18·510	18·750	18·610
	21	18·840	18·987	19·100	18·980	18·900	19·200	18·800	18·400	18·800	17·390	17·920	18·080
	22	13·180	12·950	13·200	13·300	13·300	13·250	13·300	14·200	16·010	15·530	16·440	16·140
	23	16·410	16·590	16·700	16·720	16·720	17·050	16·990	17·030	16·890	16·570	—	—
	24	—	—	—	—	—	—	—	—	—	—	17·000	16·790
	25	16·800	16·980	17·000	16·900	16·720	17·400	16·900	16·850	17·100	17·000	16·980	17·460
	26												
	27	16·360	16·350	16·500	16·510	16·610	16·850	16·810	16·815	16·900	16·800	17·360	17·120
	28	16·390	16·500	16·680	16 700	16·620	16·510	16·500	17·292	16·650	16·705	16·900	17·000
	29	16·690	16·700	16·820	18·750	16·800	16·800	17·000	17·125	17·095	16·720	16·800	16·950
	30	16·200	16·380	16·600	16·500	16·500	16·660	16·600	16·700	16·900	17·180	16·900	17·290
	31												

THERMOMETER OF SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
SEPTEMBER, 1846.	1	82°·0	82°·0	81°·4	80°·6	80°·9	80°·8	79°·8	79°·8	79°·8	79°·8	79°·8	79°·7
	2	83·6	83·3	82·0	81·6	81·6	81·1	81·2	80·8	80·6	80·3	80·0	80·0
	3	83·6	82·6	82·5	81·8	81·6	81·2	80·8	80·4	80·0	80·0	79·9	79·7
	4	84·0	83·2	82·7	82·2	82·0	81·6	81·2	81·0	80·2	80·4	80·2	80·0
	5												
	6	82·1	81·6	80·6	80·0	80·0	80·0	79·8	79·6	79·4	79·4	79·3	78·8
	7	83·2	82·4	82·4	82·0	81·2	81·0	80·6	80·2	80·0	80·0	80·0	79·8
	8	83·5	82·5	82·3	82·0	81·6	81·0	81·0	80·6	80·6	80·3	80·1	79·6
	9	82·8	82·2	81·6	81·0	80·5	80·2	79·8	80·0	78·8	79·0	79·0	79·0
	10	81·0	80·0	79·8	78·6	78·0	78·2	78·0	78·0	78·4	78·5	79·0	79·2
	11	82·0	82·0	81·4	80·9	80·6	80·0	80·0	80·0	80·0	79·8	79·8	79·8
	12												
	13	82·6	82·4	82·4	82·0	81·6	81·4	81·0	81·0	80·8	80·4	80·1	80·0
	14	82·8	82·0	81·6	81·0	80·8	80·6	80·4	80·0	80·0	80·0	80·0	79·9
	15	82·8	82·0	82·0	81·6	81·2	81·0	80·8	80·0	80·0	80·0	79·2	79·4
	16	80·8	80·5	80·6	80·6	80·4	80·0	80·0	80·0	80·0	79·8	79·8	79·7
	17	77·0	77·6	78·3	78·5	78·8	79·0	78·5	78·3	78·7	78·7	78·7	78·7
	18	82·2	82·0	81·6	80·4	80·2	80·2	80·2	80·0	80·0	79·8	79·0	78·0
	19												
	20	78·8	78·6	78·5	78.7	78·6	78·4	78·0	77·8	77·2	77·4	77·6	77·6
	21	78·0	77·0	76·4	76·6	76·8	77·0	77·0	77·5	77·0	76·6	76·6	76·6
	22	80·5	80·0	80·0	79·7	79·6	79·6	79·3	79·0	78·5	78·1	78·0	78·0
	23	81·8	81·4	80·5	80·4	80·3	80·0	80·0	79·8	79·8	79·0	—	—
	24	—	—	—	—	—	—	—	—	—	—	79·2	79·2
	25	83·0	82·5	82·0	81·6	81·2	80·6	80·0	80·0	80·0	79·8	79·6	79·2
	26												
	27	83·0	82·9	82·5	82·4	82·0	81·2	81·0	80·6	80·2	80·0	80·0	79·8
	28	83·8	83·2	82·5	82·0	81·2	81·2	81·0	80·2	80·0	80·0	80·0	79·8
	29	84·0	83·2	82·4	82·1	81·4	81·2	81·0	80·4	80·0	80·0	80·0	79·8
	30	83·0	82·5	82·0	81·5	80·8	80·6	80·2	80·2	80·0	80·0	79·6	79·4
	31												

SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
SEPTEMBER, 1846.	1	20·200	20·300	20·250	20·500	20·500	20·705	21·000	21·000	20·655	20·510	20·150	20·090
	2	20·000	20·280	30·300	20·500	20·600	20·815	21·100	20·700	20·122	20·000	19·800	19·700
	3	20·300	20·200	20·400	20·600	21·490	21·205	20·650	20·655	19·850	18·300	17·420	17·640
	4	19·400	19·470	19·090	19·090	19·300	19·900	20·000	20·000	19·495	19·010	17·920	17·720
	5												
	6	18·910	18·980	18 920	19·020	19·150	19·450	19·600	19·350	19·300	19·040	18·500	18·500
	7	18·890	18·890	18·790	18·600	18·680	18·800	19·095	18·805	18·352	17·800	17·770	17·550
	8	18·320	18·220	18·180	18·700	18·820	18·850	19·150	18·950	18·702	18·460	18·100	17·700
	9	18·220	18·290	18·200	18·180	18·550	18·950	19·300	19·190	18·795	18·600	18·490	18·360
	10	19·400	19·300	19 220	19·130	19·180	19·450	20·100	19·500	18·900	16·805	17·210	17·700
	11	18·520	18·200	18·780	18·810	18·500	18·900	19·500	19·600	18·955	18·290	18·050	17·750
	12												
	13	18·580	18·600	18·600	18·790	18·900	19·010	18·900	18·900	18·150	17·920	18·140	17·610
	14	18·470	18·500	18·310	18·460	18·680	18·900	18·700	18·800	18·700	18·290	17·360	17·905
	15	18·400	18·400	18·300	18·350	18·700	19·020	19·200	19·290	19·100	19·180	19·100	18·780
	16	18·420	18·420	18·180	18·190	18·400	18·700	19·280	19·680	19·500	19·390	18·820	18·580
	17	18·290	18·610	18·480	18·200	18·390	18·850	19·050	19·200	19·000	18·470	18·420	17·910
	18	18·790	18·500	18·440	18·470	18·540	19·150	19·100	19·000	19·150	18·880	18·700	18·350
	19												
	20	18·700	18·810	18·710	18·920	19·380	19·480	19·580	19·800	19·970	19·950	19·530	18·870
	21	17·890	18·400	17·910	17·150	18·170	17·480	17·520	16·850	16·280	15·650	14·620	13·440
	22	17·390	16·680	16·580	16·450	16·700	16·850	16·950	17·150	16·830	16·890	16·610	16·510
	23	—	—	—	—	—	—	—	—	—	—		—
	24	17·000	17·200	17·280	17·450	17·700	18·390	18·405	18·300	17·950	17·700	17·390	17·000
	25	17·595	17·700	16·790	17·620	18·400	18·600	18·585	18·390	18·100	16·700	16·720	16·550
	26												
	27	16·900	16·900	17·210	17·380	17·220	17·400	17·600	17·590	17·600	17·420	17·030	16·580
	28	16·900	17·170	17·020	16·900	17·237	17·200	17·400	17·600	17·650	17·400	17·070	16·740
	29	16·995	17·050	17·190	17·280	17·420	17·600	17·905	17·850	17·650	17·210	16·850	16·600
	30	17·000	17·200	17·350	17·600	17·720	17·450	17·700	17·345	16·700	16·610	16·490	15·960
	31												

THERMOMETER OF SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
SEPTEMBER, 1846.	1	79°·6	79°·5	79°·8	79°·4	79°·9	80°·8	81°·8	80°·0	82°·0	82°·9	83°·6	83°·7
	2	80·0	79·8	79·2	79·1	80·0	80·8	81·6	82·2	83·2	83·2	83·6	83·4
	3	79·7	79·6	79·6	79·2	79·8	80·2	81·2	82·4	83·4	83·6	83·9	84·0
	4	79·9	80·0	79·2	79·3	80·0	80·4	81·2	80·4	80·0	81·0	82·0	82·4
	5												
	6	78·9	79 0	78·9	78·5	78·9	80·0	80·0	81·2	82·0	82·4	83·2	83·2
	7	79·6	79·6	79·4	79·6	79·6	80·4	82·0	82·6	83·2	84·0	84·0	83·8
	8	79·4	79·7	79·2	79·7	80·5	81·2	82·0	83·2	84·0	34·6	84·4	83·7
	9	79·2	79·4	79·2	78·9	78·8	79·0	79·4	80·0	80·2	81·0	81·0	81·0
	10	79·2	79·3	79·2	78·7	78·9	80·0	79·4	81·2	82·0	83·0	83·3	82·6
	11	79·8	79·8	79·6	78·8	79·1	80·0	80·2	81·0	82·0	82·0	82·3	82·6
	12												
	13	80·0	80·4	80·4	80·0	80·4	80·8	81·4	82·0	82·0	82·0	82·5	83·2
	14	79·9	80·0	79·6	79·9	80·6	81·0	82·0	32·0	82·2	83·6	83·4	83·6
	15	79·5	80·0	80·0	79·8	80·4	80·6	81·8	82·0	81·8	81·8	80·8	80·6
	16	79·7	79·6	79·6	79·6	80·3	80·0	80·0	80·0	80·0	79·6	78·0	76·8
	17	78·9	78·7	78·4	78·7	79·0	79·7	80·5	81·8	82·0	81·8	81·9	82·4
	18	77·8	78·0	78·3	79 0	79·8	80·0	80·6	81·8	81·8	82·0	82·0	81·8
	19												
	20	77·8	77·8	77·8	77·4	74·8	75·2	76·8	75·8	75·8	76·8	77·3	78·0
	21	76·6	76·8	76·8	77·0	76·4	77·0	77·5	78·0	78·8	79·6	80·3	80·4
	22	77·8	77·4	77·4	77·6	77·8	79·0	80·0	80·4	80·0	81·0	81·6	82·0
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	79·0	79·0	78·0	77·6	78·0	79·6	80·0	80·6	81·4	82·4	83·0	83·2
	25	78·6	78·5	77·6	77·6	78·5	79·8	80·0	81·2	82·0	83·2	83·4	83·4
	26												
	27	79·5	79·4	78·8	78·0	78·6	80·0	81·0	82·0	83·0	83·6	84·0	84·0
	28	79·7	79·3	79·0	79·0	79·8	80·4	81·8	82·0	83·0	83·8	84·0	84·0
	29	79·5	79·4	79·4	79·2	79·9	80·4	80·6	81·2	82·4	83·6	83·6	83·0
	30	79·4	78·8	78·7	78·7	79·2	80·0	80·4	81·2	82·0	83·2	83·4	83·8
	31												

SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
OCTOBER, 1846.	1	16·300	16·590	16·300	16·110	16·200	15·900	16·300	15·900	16·900	16·600	16·590	16·510
	2	15·890	15·980	15·800	16·000	16·000	16·100	16·695	16·700	16·230	17·000	16·590	16·800
	3												
	4	15·890	16·000	15·980	16·150	16·120	16·400	16·500	16·655	16·500	16·600	16·580	16·600
	5	16·150	16·380	16·100	16·000	15·920	16·000	16·300	16·200	16·200	16·310	16·300	16·320
	6	15·620	15·600	15·700	15·700	15·720	15·800	15·800	16·100	16·100	16·420	16·420	16·340
	7	15·540	15·740	16·000	15·600	15·500	15·500	15·000	15·600	15·800	16·000	15·530	15·560
	8	13·280	11·700	11·820	13·100	12·790	14·210	15·100	14·445	14·400	14·780	15·000	15·100
	9	15·310	15·410	15·300	15·410	15·250	15·500	15·275	15·705	15·400	15·610	15·740	15·640
	10												
	11	14·000	14·900	14·890	14·420	14·700	14·900	15·020	15·100	15 100	15·200	15·110	15·510
	12	14·080	14·010	14·010	13·810	14·200	14·600	14·800	14·700	15·025	15·000	15·100	15·300
	13	14·410	14·700	14·820	14·810	14·880	14·800	14·900	15·500	15·000	15·170	15·480	15·330
	14	14·240	14·500	14·620	14·890	14·900	14·900	15·000	15·000	15·100	15·100	15·110	15·200
	15	14·780	15·000	15·465	15·300	15·320	15·225	15·045	15·195	15·300	15·280	15·320	15·600
	16	14·520	14·600	14·880	14·980	14·900	15·105	15·500	15·625	15·600	15·460	15·600	15·780
	17												
	18	15·420	15·780	15·400	15·110	14·680	14·600	14·900	15·500	15·600	15 500	15·700	15·860
	19	15·160	15·300	15·250	15·300	15·100	15·200	14·300	14·400	14·950	15·420	14·790	14·350
	20	14·130	14·220	14·140	14·300	14·025	14·800	14·400	14·600	14·800	14·700	14·810	14·600
	21	13·900	13·890	14·120	14·200	14·250	14·100	14·290	14·215	14·275	14·190	—	—
	22	—	—	—	—	—	—	—	—	—	—	13·960	14·200
	23	13·650	13·780	13·610	13·920	14·100	14·100	14·215	14·205	14·325	14·400	14·690	14·910
	24												
	25	13·800	13·840	14·080	14·040	14·180	14·100	14·100	14·300	14·400	14·400	14·400	14·260
	26	13·910	13·960	14·020	14·200	14·200	14·125	14·100	14·150	14 050	14·320	14·380	14·400
	27	14·060	14·020	13·910	14·100	13·980	13·900	14·000	14·115	14·130	14·700	14·400	14·500
	28	13·800	13·923	13·930	13·920	13·830	13·950	14 000	14·300	14·300	14·120	14·300	14·440
	29	13·200	13·400	13·600	13·600	13·600	13·625	13·800	13·900	14·000	13·900	13·820	14·000
	30	12·800	12·730	12·540	13·070	13·280	13·345	13·455	13·585	13·615	13·700	13·810	13·910
	31												

THERMOMETER OF SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
OCTOBER, 1846.	1	83°·4	82°·4	82°·0	81°·4	81°·0	80°·8	80°·0	80°·0	80°·0	79°·6	79°·5	79°·2
	2	83·4	82·6	81·8	81·0	80·7	80·0	79·8	79·2	79·0	78·8	78·2	78·0
	3												
	4	84·0	83·4	83·2	83·2	82·8	81·0	80·2	80·0	80·0	79·9	79·9	79·9
	5	84·4	84·0	83·6	83·0	82·0	82·0	82·0	81·2	81·0	80·6	80·4	80·2
	6	84·0	83·8	83·2	82·1	81·4	81·2	81·2	81·2	81·2	80·7	80·5	80·4
	7	85·2	84·7	83·4	82·3	81·6	81·2	81·0	81·0	80·6	80·3	80·0	80·0
	8	84·7	84·2	84·0	84·0	81·2	79·4	79·0	78·2	78·4	78·7	78·0	78·0
	9	82 4	82·5	82·3	80·6	80·0	79·8	79·4	79·4	79·4	79·3	79·3	79·3
	10												
	11	84·5	84·4	84·0	83·2	83·2	83·2	83·0	83·0	82·6	82 0	81·9	81·3
	12	85·2	84·8	84·4	84·0	83·7	83·2	83·0	82·8	82·0	82·0	81·4	80·5
	13	85·6	84·6	84·0	83·0	82·8	82·6	82·0	81·2	80·4	80·4	80·0	79·4
	14	83·4	83·0	82·6	82·6	82·0	81·4	81·0	80·8	80·2	80·2	79·8	79·5
	15	87·0	86·4	85·4	84·8	84·4	84·0	83·6	83·2	83·0	82·7	82·2	82·0
	16	84·7	84·0	84·0	84 0	84·0	83·8	83·2	82·8	82·0	82·0	82·0	82·0
	17												
	18	85·6	85·4	85·2	85·1	84·8	84·4	84·0	83·0	82·0	82·0	81·6	81·2
	19	86·0	85·6	84·6	84·2	83·8	83·6	83·4	83 0	82·6	82·0	82·0	81·2
	20	86·0	85·0	84·5	84·0	83·8	83·2	83·0	82·4	82·0	81·7	81·2	80·5
	21	86·2	84·8	84·4	84·0	83·9	83·0	82·2	82 0	82·0	81·6	—	—
	22	—	—	—	—	—	—	—	—	—	—	79·9	79·0
	23	85·2	84·8	84·4	83·6	83·0	82·4	82·0	82·0	82·0	81·5	80·5	79·8
	24												
	25	83·6	83·2	82·4	81·4	81·0	80·4	80·0	80·0	80·0	80·0	79·8	79·5
	26	83·4	82·7	81·7	80·8	80·8	80·0	80·0	80·0	80·0	79·8	79·6	79·3
	27	82·8	82·0	81·0	80·6	80·4	80·0	80·0	79·8	79·4	78·8	78·0	78·0
	28	83·4	82·5	82·0	81·4	81·2	80·4	80·0	80·0	79·6	79·0	79·0	79·0
	29	84·0	82·8	82·0	81·4	80·6	80·2	80·0	79·4	79·2	78·8	78·5	78·3
	30	83·4	82·6	81·8	81·1	80·8	80·8	80·0	79·8	79·0	78·0	77·6	77·4
	31												

SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
OCTOBER, 1846.	1	16·580	16·700	16·820	16·720	16·630	16·900	17·200	17·400	17·000	16·900	16·600	16·000
	2	16·810	16·590	16·220	15·620	15·830	16·090	16·100	15·955	15·900	15·815	15·580	15·200
	3												
	4	16·500	16·480	16·380	16·480	16·700	17·410	17·700	17·600	17·225	16·900	16·460	16·190
	5	16·330	16·390	16·380	16·400	16·370	16·710	17·200	17·315	16·890	16·405	15·880	15·620
	6	16·790	16·400	16·210	16·300	16·410	16·210	16·680	16·540	16·550	16·100	15·750	15·500
	7	15·900	15·920	15·720	15·950	14·740	14·060	13·525	13·900	13·900	13·580	14·200	14·270
	8	15·120	15·200	15·280	15·700	15·870	16·090	15·900	15·890	15·950	16·090	15·880	15·440
	9	15·700	16·120	15·800	15·900	15·720	15·700	15·900	15·415	15·300	14·800	14·670	14·000
	10												
	11	15·300	15·290	15·400	15·440	15·200	15·700	15·795	15·695	15·375	14·130	13·600	14·130
	12	15·150	15·310	15·480	15·250	15·300	15·700	15·600	15·590	15·195	14·740	14·400	14·340
	13	15·500	15·400	15·480	15·350	15·710	15·800	15 990	16·100	16·000	15·600	14·940	14·500
	14	15·300	15·480	15·500	15·470	15·550	15·695	15·752	15·815	15·500	15·060	14·620	14·600
	15	15·495	15·720	15·430	15·500	15·480	15·800	16·005	16·100	15·760	15·160	14·500	14·370
	16	15·600	15·600	15·800	15·930	16·200	16·600	16·700	16·660	16·150	15·640	15·100	14·940
	17												
	18	15·910	15·790	15·880	15·770	16·235	16·500	16·700	16·795	16·400	16·040	15·600	15·330
	19	15·330	15·200	15·100	15·380	14·805	15·100	15·100	15·127	15·460	15·060	14·400	13·960
	20	15·000	14·900	14·890	14·920	15·170	15·200	15·400	15·345	15·100	14·700	14·480	14·260
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	14·220	14·300	14·200	14·020	14·280	14·600	14·700	14·600	14·100	13·660	13·310	13·480
	23	14·920	14·900	15·100	14·880	15·045	14·905	14·800	14·605	14·425	14·360	14·080	13·910
	24												
	25	14·800	14·500	14·380	14·245	14·420	14·900	15·100	14·815	14·625	14·200	14·000	13·900
	26	14·440	14·600	14·720	14·865	15·100	15·410	15·450	15·500	15·300	14·840	14·450	14·140
	27	14·310	14·380	14·320	14·310	14·600	15·000	15·100	14·900	14·500	14·180	13·980	13·900
	28	14·500	14·450	14·600	14·370	14·860	14·505	14·690	14·400	14·050	13·560	13·190	13·040
	29	14·050	14·240	14·300	14·290	14·235	14·137	14·390	14·450	14·350	14·160	13·725	13·390
	30	14·000	13·920	14·100	13·780	13·880	14·100	14·250	14·000	13·650	13·380	13·170	12·720
	31												

THERMOMETER OF SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
OCTOBER, 1846.	1	79°·0	78°·4	78°·4	78°·5	79°·4	80°·2	81°·6	82°·0	82°·2	83°·2	83°·4	83°·6
	2	77·4	77·0	76·8	77·6	79·9	80·0	80·8	82·0	82·4	82·6	83·2	83·6
	3												
	4	79·9	80·0	79·9	79·9	80 4	81·0	81·6	82·2	84·0	84·5	85·2	84·8
	5	80·2	80·2	80·0	79·6	80·0	81·2	82·0	82·8	84·0	85·0	85·2	84·6
	6	80·4	80·4	80·8	80·5	81·2	82 2	82·6	83·2	84·0	84·3	84·8	85·5
	7	80·0	79·8	79·7	79 9	80·2	81·0	82·0	82·8	84·0	84·6	85·2	85·6
	8	78·0	77·8	77·8	77·8	78·5	79·4	80·0	80·0	81·2	82·0	82·3	82·4
	9	79·5	79·2	78·9	79·0	79·2	80·0	80·0	81·2	82·0	82·7	83·3	84·0
	10												
	11	80·7	80·8	80·4	80·0	80·6	81·2	82·0	83·2	84·0	84·4	85·3	85·4
	12	80·0	79·6	79·2	79·0	79·4	80·4	81·8	82·0	83·0	83·9	85·2	85·6
	13	78·6	78·4	78·2	78·4	79·2	80·0	81·0	81·2	81·6	82 1	82·6	83·4
	14	79·4	79·0	79·0	79·4	79·8	80·6	81·6	83·0	84·0	85·6	86·5	87·2
	15	81·9	81·6	81·4	81·4	81·3	81·6	82·0	82·2	84·0	85·4	85·2	85·2
	16	81·8	81·4	81·4	81·4	81·6	82·0	83·2	84·0	85·0	85·9	86·3	86·4
	17												
	18	80·8	81·4	80·8	81·4	82·5	83·2	83·6	84·0	85·0	85·6	85·8	86·0
	19	81·2	80·4	80·0	80·4	80·8	82·0	82·6	84·0	84·8	85·5	85·8	86·0
	20	80·0	79·2	78·8	79·2	80·2	81·6	82·6	84·0	85·2	86·5	87·2	87·2
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	78·9	78·7	78·7	78·8	79·2	80·0	80·6	81·8	83·0	84·0	84·8	85·2
	23	79·0	78·8	78·8	78·6	79·2	80·2	81·6	82·6	83·8	84·0	84·6	84·8
	24												
	25	79·4	79·2	79·0	79·0	79·8	80·2	81·2	82·2	83·2	84·0	83·8	83·7
	26	79·0	78·8	78·6	78·8	79·2	80·0	80·4	82·0	82·2	83·0	83·4	83·2
	27	77·9	77·6	77·6	78·0	78·6	80·0	81·2	82·0	83·2	83·8	83·8	83·5
	28	78·8	78·4	77·6	77·2	78·4	79·6	80·0	82·0	83·6	84·0	81·2	84·2
	29	77·6	76·8	76·8	77·6	78·7	79·8	80·0	81·0	82·8	83·3	83·6	83·6
	30	76·7	76·8	75·2	75·0	76·6	78·0	79·8	81·0	82·6	83·5	83·4	83·4
	31												

SMALL HORIZONTAL FORCE MAGNETOMETER.

	Date. Göttingen Mean Time.	Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
NOVEMBER, 1846.	1	11·960	12·300	12·340	12·320	12·720	12·900	12·955	13·045	13·445	13·380	13·110	13·020
	2	12·190	11·600	11·400	11·780	12·200	12·450	12·500	13·000	13·000	13·260	13·640	13·420
	3	12·600	12·220	12·000	12·820	12·820	13·125	13·305	13·400	13·600	13·800	13·800	13·790
	4	12·900	13·250	13·320	13·390	13·320	13·300	13·395	13·400	13·400	13·480	13·700	13·480
	5	12·800	12·990	13·080	13·100	13·[illegible]30	13·300	13·310	13·600	13·600	13·660	13·710	13·800
	6	13·400	13·220	13·550	13·580	13·570	13·500	13·555	13·560	13·500	13·300	13·480	13·660
	7												
	8	12·080	12·290	12·500	12·580	12·620	12·600	12·455	12·700	13·110	12·940	12·900	12·960
	9	12·160	12·420	12·600	12·590	12·500	12·500	12·500	12·550	12·650	12·600	13·000	12·900
	10	11·960	12·300	12·500	12·520	12·550	12·600	12·600	12·500	12·505	12·610	12·690	12·570
	11	12·200	12 350	12·500	12·650	12·390	12·200	12·305	11·915	12·290	12·500	12·810	12·400
	12	11·900	12·100	12·020	12·080	12·100	12·105	12·060	12·200	12·300	12·420	12·700	12·700
	13	11·810	12·180	12·250	12.290	12·220	12·200	12·000	12·025	12·100	12·170	12·410	12·410
	14												
	15	11·490	11·740	11·950	11·950	11·960	12·000	12·100	12·100	12·195	12·300	12·240	12·290
	16	11·900	11·890	11·800	12·000	12·030	12·090	12·012	12·200	12·300	12·600	12·680	12·880
	17	11·580	11·750	11·600	11·500	11·680	12·200	10·100	9·800	9·375	9·620	9·880	10·120
	18	9·640	10·300	10·480	10·300	10·250	10·365	10·725	10·700	10·825	10·880	10·900	10·910
	19	10·800	11·130	11·200	11·330	11·240	11·500	11·400	11·400	11·700	11·500	11·500	11·600
	20	10·750	11·000	11·320	11·500	11·530	11·000	11·200	11·500	11·500	11·420	11·730	12·100
	21												
	22	10·680	11·000	11·380	11·500	11·600	11·800	11·700	11·605	11·750	11·800	11·820	11·900
	23	11·140	11·470	11·700	11·880	11·920	12·000	12·000	12·090	12·025	12·200	12·180	12·200
	24	11·430	11·600	11·800	11·870	11·980	11·950	12·000	12·000	12·015	12·180	12·200	12·160
	25	11·500	11·700	11·800	11·920	11·880	12·000	11·850	12·000	11·950	12·080	12·100	12·200
	26	12·300	12·600	11·700	10·610	9·980	9·600	8·725	9·700	10·475	10·100	10·690	10·720
	27	10·790	12·690	11·000	10·450	10·765	10·975	11·100	11·490	11·475	11·480	—	—
	28	—	—	—	—	—	—	—	—	—	—	11·310	11·700
	29												
	30	11·500	11·200	11·320	11·890	11·480	11·400	11·605	11·900	11·860	12·000	12·020	12·160
	31												

THERMOMETER OF SMALL HORIZONTAL FORCE MAGNETOMETER.

	Date. Göttingen Mean Time.	Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
NOVEMBER, 1846.	1	82°·4	82°·4	81°·4	80°·8	80°·8	80°·4	80°·2	80°·0	78°·0	77°·8	78°·0	77·8
	2	91·6	86·8	85·8	84·9	84·5	84·0	83·0	82·2	81·8	81·4	81·0	80·3
	3	87·4	84·6	84·0	83·6	83·3	82·4	82·0	81·6	80·8	80·0	80·0	79·8
	4	85·6	83·6	82·4	82·0	81·6	81·2	81·0	80·8	80·6	80·2	80·0	79·7
	5	83 4	82·4	81·2	80·8	80·5	80·2	80·2	80·0	80·0	79·4	79·3	79·4
	6	82·4	82·0	81·5	81·2	80·8	80·6	80·4	80·0	80·0	79·9	79·9	79·9
	7												
	8	84·0	83·2	82·6	81·6	81·0	80·2	79·8	79·8	79·2	78·9	78·0	77·6
	9	83·8	82·8	81·6	80·8	80·3	79·8	79·2	78·8	78·4	78·3	77·8	77·0
	10	84·4	83·5	82·0	81·0	80·2	80·0	79·2	78·2	77·8	77·8	77·0	76·4
	11	83·6	82·5	82·0	81·5	81·0	80·0	79·8	79·2	78·8	78·0	77·6	77·0
	12	84·6	83·0	82·4	81·6	81·1	80·2	80·0	79·6	79·6	79·0	78·1	77·8
	13	84·6	81·4	82·0	81·4	80·8	80·6	80·0	79·4	79·0	78·3	78·0	77·7
	14												
	15	83·0	82·0	81·0	80·4	79·6	79·4	79·0	78 0	77·6	77·0	76·2	76·0
	16	83·0	81·6	80·6	80·0	79·2	79·2	79·0	78·4	77·6	77·0	75·8	75·3
	17	81·4	80·6	80·0	79·2	78·8	78·4	77·8	77·2	76·8	76·0	75·8	75·2
	18	83·2	82·0	80·6	79·2	79·0	78·0	77·0	77·0	76·8	76·2	76·0	75·2
	19	81·4	80·6	79·2	78·8	78·4	77·2	77·0	76·8	76·6	76·1	75·7	75·5
	20	80·7	79·8	78·8	78·0	78·0	77·4	77·0	76·8	76·4	76·0	75·7	74·5
	21												
	22	81·2	80·4	79·6	79·0	78·4	77·8	77·0	76·6	76·0	75·6	75·2	74·6
	23	82·4	81·0	79·6	79·0	78·5	78·0	77·2	76·8	76·4	76·0	75·8	75·2
	24	82·0	80·8	79·4	78·6	78·2	77·2	76·6	75·4	75·0	75·0	74·4	74·0
	25	81·4	79·6	78·7	78·0	77·2	76 0	75·6	75·2	74·4	74·0	74·0	73·4
	26	81·2	80·4	79·4	78·8	78·6	78·0	77·6	77·0	76·8	76·2	76·4	76·8
	27	83·4	82·0	81·2	80·8	80·7	80·0	80·0	79·6	79·6	79·2	—	—
	28	—	—	—	—	—	—	—	—	—	—	80·3	79·4
	29												
	30	82·8	82·8	82·6	82·0	81·3	81·2	81·0	81·0	80·6	80·4	80·0	79·4
	31												

SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
NOVEMBER, 1846.	1	13·090	13·220	13·470	13·680	13·750	13·950	14·100	14·000	13·685	13·090	12·690	12·320
	2	13·400	13·400	18·600	13 750	13·830	14·015	14·100	14·100	13·695	13·180	12·600	12·520
	3	13·730	13·700	13·820	14·030	14·410	14·850	15·000	14·800	14·300	13·680	13·470	12·940
	4	13·460	13·580	13·500	13·580	13·620	14·100	14·450	14·310	13·655	13·390	13·000	12·880
	5	13·720	13·830	14·000	14·280	14·420	14·670	14·700	14·500	14·360	13·900	13·600	13·620
	6	13·790	13·780	13·620	14·200	14·000	14·500	14·595	14·505	14·215	13·915	13·600	13·310
	7												
	8	13·100	13·210	13·420	13·510	13·390	13·660	13·800	13·450	12·800	12·500	12·310	12·080
	9	12·830	13·000	13·220	13·240	13·300	13·500	13·700	13·600	12·750	12·100	11·840	12·100
	10	12·540	12·800	12·950	13·150	13·480	13·800	13·800	13·600	13·000	12·940	12·700	12·300
	11	12·430	12·500	12·610	12·970	12·940	12·800	12·650	12·650	12·210	11·410	10·880	11·100
	12	12·680	12·650	12·930	13·100	13·440	13·705	13·645	13·300	12·625	12·100	11·970	11·800
	13	12·590	12·590	12·830	12·890	13·075	13·115	13·000	12·805	12·300	12·890	11·410	11·200
	14												
	15	12·320	12·400	12·500	12·700	12·820	12·850	12·815	12·700	12·100	11·590	11·300	11·800
	16	12·900	13·000	13·100	13·330	13·220	13·100	13·190	12·700	12·150	11·900	11·900	11·700
	17	10·310	10·800	10·980	11·940	11·850	11·300	10·975	10·015	9·725	9·200	8·900	8·200
	18	11·020	11·150	11·290	11·480	11·880	11·900	11·600	11·427	10·850	10·440	10·520	10·550
	19	11·500	11·820	11·800	11·980	12·290	12·510	12·800	12·150	11·850	11·510	11·210	11·000
	20	12·020	—	11·800	11·860	11·900	12·100	12·000	11·800	11·400	11.200	11·000	10·900
	21												
	22	11·710	11·720	11·850	12·140	12·200	12·100	11·750	11·200	10·700	10·430	10·700	11·000
	23	12·120	12·200	12·420	12·760	13·100	13·200	12·900	12·300	11·700	11·200	10·710	11·290
	24	12·200	12·200	12·390	12·550	12·700	12·405	12·115	11·795	11·500	11·020	11·410	11·400
	25	12·170	12·100	12·300	12·470	12·220	12·290	12·125	11·700	11·352	11·310	11·910	12·120
	26	11·200	10·780	10·900	10·740	10·740	10·600	10·650	10·700	10·050	10·215	10·810	11·020
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	11·880	11·900	12·290	12·300	12·400	12·350	12·350	12·015	11·800	11·480	11·310	11·260
	29												
	30	12·200	12·300	12·310	12·590	12·620	12·800	12·600	11·900	10·910	11·070	10·840	11·030
	31												

THERMOMETER OF SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12^{h}	13^{h}	14^{h}	15^{h}	16	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
NOVEMBER, 1846.	1	77°·5	77°·0	76°·8	77°·6	78°·0	79°·0	80°·0	81°·8	83°·4	85°·2	86°·3	87°·0
	2	79·9	79·4	78·8	78·6	78·8	80·0	81·0	82·0	83·6	84·2	84·4	84·8
	3	79·6	79·2	79·0	79·0	79·4	80·4	81·6	82·2	83·8	84·0	84·4	84·4
	4	79·2	78·8	78·0	77·9	78·6	80·0	80·6	82·0	82·4	83·4	83·8	83·6
	5	78·8	78·5	78·0	77·2	78·4	79·6	80·0	81 4	82·0	82·6	82·8	82·8
	6	79·7	79·7	79·2	79·3	79·2	80·0	81·0	82·0	82·8	83·0	83·4	83·6
	7												
	3	77·0	76·4	75·4	75·2	76·4	77·0	78·4	80·0	81·0	83·0	83·6	83·8
	9	76·6	76·0	75·0	75·0	76·0	77·2	79·0	80·2	82.0	83·4	84·7	85·2
	10	76·0	76·0	75·0	75·0	76·0	77·0	78·6	80·0	81·8	83·2	83·6	83·8
	11	76·1	75·8	75·2	75·0	75·8	77·0	78·8	80·0	82·0	83·4	84·5	85·4
	12	76·9	76·8	76·4	76·4	76·6	78·0	79·0	80·0	82·0	83·8	84·8	85·3
	13	76·5	76·0	76·0	76·0	76·7	77·8	79·0	80·6	82·6	84·4	85·2	85·4
	14												
	15	75·4	74·8	74·4	74·0	74·7	76·0	77·8	79·2	80·8	82·0	82·6	83·5
	16	74·6	74·0	72·9	72·9	73·2	74·2	75·8	77·0	79·2	80·9	81·2	81·4
	17	74·1	73·6	73·6	73·6	74·1	75·2	77·0	78·0	80·0	81·2	81·8	82·6
	18	74·5	74·0	73·4	73·0	74·0	74·8	76·0	77·2	78·6	80·0	81·0	81·4
	19	74·8	74·0	73·0	72·9	73·9	75·0	77·0	78·0	79·2	80·8	81·0	81·0
	20	73·8	—	72·8	73·0	73·2	74·4	76·4	78·0	79·2	80·4	80·6	80·6
	21												
	22	74·0	73·6	73·2	73·2	74·4	75·2	77·0	79·6	81·2	82·6	83·6	83·2
	23	74·0	73·6	73·2	72·9	73·4	74·0	76·0	78·0	80·0	81·3	82·0	82·7
	24	73·8	73·0	72·6	72·4	72·8	75·0	78·0	80·2	81·8	81·8	82 0	82·0
	25	72·8	72·5	72·0	70·8	71·6	73·8	75·4	77·8	80·0	81·4	81·6	81·4
	26	76·8	76·7	76·5	76·4	77·2	79·2	81·2	84·0	85·0	86·0	85·2	84·2
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	78·8	78·4	77·8	77·4	78·0	79·0	80·0	81·0	82·0	82·8	83·0	83·0
	29												
	30	79·1	78·6	78·6	78·4	78·6	79·4	80·0	81·2	82·4	84·0	84·3	84·4
	31												

SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
DECEMBER, 1846.	1	11·330	11·500	11 500	11·500	11·620	11·700	11·900	12·200	12·000	11·900	11·900	12·020
	2	10·790	11·100	11·120	11·390	11·400	11·600	11 500	11·400	11·400	11·510	11·510	11·450
	3	10·870	10·890	10·810	10·990	11·000	11·200	11·205	11·205	11·205	11·280	11·330	11·405
	4	10·300	10·410	10·580	10·500	10·290	10·290	10·390	10·650	10·800	11·250	11·320	11·410
	5												
	6	10·610	10·849	11·010	11·100	11·300	11·400	11·300	11·490	11·460	11·520	11·590	11·490
	7	10·750	10·800	10·800	10·900	10·940	11·005	10·990	11·152	11·100	11·100	11·000	11·140
	8	10·880	10·900	11·100	11·190	11·260	11·300	11·390	11·500	11·500	11·550	11·600	11·520
	9	11·170	11·110	11·100	11·220	11·180	11·200	11·200	11·110	11·100	11·100	11·860	12·020
	10	10·450	10.480	10·400	10·420	10·200	10·200	10·455	10·500	10·615	10·820	11·120	10·900
	11	10·420	10·420	10·600	10·500	10·600	10·650	10·700	10·745	11·100	11·340	11·170	11·220
	12												
	13	10·490	10·600	10·620	10·880	10·900	10·900	10·960	10·955	10·815	11·190	11·000	10·820
	14	10·320	10·280	10·500	10·600	10·600	10·650	10·500	10·500	10·605	10·500	10·440	10·800
	15	9·820	9·980	10·210	10·300	10·310	10·200	10·300	10·300	10·595	10·600	10·690	10·600
	16	10·000	10·090	10·200	10·490	10·520	10·595	10·500	10·550	10·600	10·700	10·520	10·600
	17	10·210	10·390	10·600	10·710	10·800	11·000	10·950	10·900	11·000	10·920	10·810	10·980
	18	10·200	10·250	10·350	10·450	10·580	10·600	10·400	10·600	10·500	10·520	10·600	10·600
	19												
	20	10·300	10·500	10·750	10·870	10·840	10·850	10·815	10·800	10·925	10·960	11·000	10·980
	21	10·390	10·400	10·600	10·705	10·760	10·715	10·800	10·900	10·930	10·900	10 860	10·980
	22	10·210	10·200	10·350	10·620	10·805	10·900	10·800	10·900	10·810	10·700	10·460	10·520
	23	9 590	9.980	10·000	10·000	9·720	9·400	10·300	10·175	9·590	9·800	—	—
	24	—	—	—	—	—	—	—	—	—	—	10·110	10·320
	25	9·180	8·880	9·080	9·290	9·390	9·400	9·750	9·700	10·000	10·100	10·100	10·300
	26												
	27	9·350	9·400	9·580	9·680	9·580	9·800	10·000	9·600	9·820	9·840	10·280	10·410
	28	9·100	9·000	9·090	9·390	9·480	9·700	9·900	9·700	9·910	10·000	9·900	10·000
	29	8·810	9·220	9·450	9·500	9·875	9·650	9·500	9·350	9·800	9·750	10·000	10·090
	30	8·880	9·200	9·600	9·550	9·660	9·700	9·700	9·750	9·750	9·900	9·960	9·910
	31	9·100	9·300	9·690	9·700	9·700	9·800	9·890	10·000	10·000	10·150	10·120	10·180

THERMOMETER OF SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
DECEMBER, 1846.	1	84°·0	83°·0	82°·4	82°·0	81°·0	80·6	80°·0	79°·2	78°·8	78°·0	77·6	77°·3
	2	82·4	81·2	80·5	80·2	79·6	79·0	78·4	78·0	78·0	77·9	77·2	76·0
	3	81·3	80·4	79·6	78·8	78·4	77·2	76·2	75·6	75·2	74·4	74·2	74 2
	4	81·2	80 6	79·4	78·7	78·4	78·0	76·8	76·0	76·0	75·9	75·5	75·0
	5												
	6	79·6	78·4	77·4	76·7	76·0	75·0	74·0	73·4	73·4	73·3	72·3	71·4
	7	79·6	78·4	77·4	77·0	76·6	76·0	75·2	74·6	74·0	73·6	73·0	73·0
	8	83·6	82·8	82·6	82·0	81·4	81·0	80·4	80·0	80·0	79·3	79·2	78·5
	9	83·4	82·2	81·0	80·4	80·4	80·0	79·6	79·2	79·2	78·6	78·1	78·0
	10	81·8	80·7	80·0	79·2	79 0	78·0	77·2	77·2	77·2	77·5	77·4	77·2
	11	81·8	80·6	80·0	79·6	79·0	79·0	78·4	78·4	78·6	78·4	78·1	77·4
	12												
	13	80·0	79·2	78·4	78·0	77·2	76·1	75·8	74·4	74·0	73·4	72 6	72·0
	14	80·6	80·4	79·2	79·0	78 6	78 0	77·0	76·4	76·0	75·6	75·0	74·0
	15	80·0	79·4	78·8	78·4	78·0	77.8	77·4	77·6	76·8	76·0	76·0	75·8
	16	81·8	81·0	80·5	79·6	79·0	78·6	77·8	77·2	77·0	76·0	76·0	76·0
	17	81·1	80·0	78·8	78·5	78·2	78·0	77·6	77·2	76·8	76·5	76·4	76·4
	18	81·0	80·4	79·2	78·6	78·4	77·6	77·0	77·0	77·0	77·3	77·2	76·6
	19												
	20	80·9	80·2	79·7	77·2	77·1	76·6	76·0	76·0	75·8	75 4	75·0	74·6
	21	80·6	80·0	78·8	78·2	77·6	76·6	76·0	75·8	75·4	74·8	74·3	74·0
	22	81·4	80·4	79·0	78·7	78·5	77·6	76·6	76·0	75·4	75·0	75·0	74·4
	23	79·6	79·5	76·8	76·5	76·0	75·4	74·4	74·0	74·0	73·5	--	—
	24	—	—	—	—	--	—	—	—	—	—	72·5	71·9
	25	79·0	78·4	77·6	76·8	76·5	75·8	74·2	74·0	73·0	72·0	72·0	71·7
	26												
	27	78·7	78·5	77·6	76·9	76·6	76·0	75·0	74·0	74·0	73·9	73·4	72·6
	28	81·4	80·8	79·6	79·0	78·0	77·2	76·4	76·0	75·2	74·5	74·0	73·6
	29	81·0	80·4	79·2	78·4	77·6	77·0	76·0	75·4	75·0	74·2	74·0	73·7
	30	83·5	82·6	80·8	79·3	78·8	78·0	78·0	77·6	77·0	77·0	76·0	75·6
	31	83·6	82·6	80·9	79·7	79·0	78·0	78·0	77·8	77.0	76·6	76·0	75 8

SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
DECEMBER, 1846.	1	12·210	12·200	12·340	12·380	12·400	12·400	12·200	11·740	11·300	10·910	10·500	10·200
	2	11·700	11·700	11·900	12·000	11·980	12·000	12·000	11·805	11·450	11·260	11·080	10·920
	3	11·500	11·620	12·000	12·590	12·730	12·900	12·600	12·145	11 490	11·050	10·550	10·520
	4	11·490	11·700	11·800	11·820	11·910	12·050	11·920	11·790	11·400	10·790	10·500	10·890
	5												
	6	11·390	11·500	11·390	11·500	11·600	11·800	11·510	11·295	11·200	10·840	10·700	10·800
	7	11·000	11·100	11·200	11·500	11·600	11·650	11·600	11·300	10·900	10·960	10·820	10·800
	8	11·600	11·700	11·700	12·100	12·100	12·155	12·200	11·800	11·400	11·100	11·220	11·220
	9	11·510	11·100	11·220	11·290	11·150	11·200	11·050	10·945	10·752	10·740	10·620	10·420
	10	10·980	11·200	11·280	11·420	11·430	11·500	11·350	11·160	11·100	10·890	10·800	10·560
	11	11·120	11·290	11·800	12·100	11·830	11·650	11·700	11·840	11·315	11·300	11·200	11·090
	12												
	13	10·910	11·100	11·200	11·300	11·400	11·500	11·150	11·000	10·700	10·400	10·300	10·400
	14	10·700	10·600	10·680	10·900	11·190	11·200	11·050	10·850	10·495	10·290	10·110	9·790
	15	10·680	10·890	11·200	11·380	11·700	11·815	11·655	11·100	10·600	10·400	10·400	10·110
	16	10·780	10·800	11·000	11·210	11·170	11·205	11·150	10·995	10·415	10·020	10·080	10·100
	17	11·020	11·100	11·300	11·500	11·520	11·700	11·800	11·650	11·225	10·620	10·180	10·100
	18	10·500	10·740	10·800	11·100	11·400	11·500	11·580	11·350	10·900	10·040	9·660	9·580
	19												
	20	11·100	11·110	11·230	11·400	11·500	11·500	11·550	11·450	11·252	11·000	10·610	10·450
	21	10·810	10·890	10·900	10·900	10·700	10·900	10·650	10·360	9·815	9·500	10·200	10·200
	22	10·460	10·670	10·700	10·390	10·620	10·700	10·800	10·150	9·900	9·900	9·710	9·490
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	10·600	10·600	10·630	10·600	10·500	10·400	10·625	10·200	9·400	9·270	9·170	9·110
	25	10·310	10·200	10·320	10·600	10·500	10·510	10·500	10·200	9·600	8·920	9·000	9·100
	26												
	27	10·310	10·300	10·310	10·400	10·380	10·200	10·005	9·900	9·200	8·500	8·600	9·100
	28	10·000	10·200	10·150	10·110	10·110	9·800	9·496	9·150	8·500	8·120	8·390	8·620
	29	10·200	10·120	10·200	10·400	10·315	10·400	10·300	9·800	9·230	8·580	8·120	8·190
	30	9·940	9·820	10·000	10·000	10·000	9·850	9·700	9·550	9·100	8·660	8·340	9·000
	31	10·140	10·210	10·200	10·200	10·240	10·400	10·400	10·300	9·700	9·330	9·320	9·290

THERMOMETER OF SMALL HORIZONTAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
DECEMBER, 1846.	1	76°·6	76°·0	75°·2	75°·6	76°·5	77°·0	79°·2	80°·0	80°·8	82°·0	82°·3	82°·6
	2	76·0	76·0	74 8	74·4	74·9	76·0	78·0	79·2	80·0	81·4	81·9	81·9
	3	74·0	72·8	72·8	72·8	73·0	74·0	75·8	77·0	79·2	80·6	81·0	81·3
	4	74·5	74·3	74·0	73·8	74·6	76·0	77·4	79·0	80·0	81·0	81·4	82·0
	5												
	6	70·8	70·4	70·4	70·4	71·2	72·4	74·4	76·6	78·4	79·7	80·0	80·0
	7	72·6	73·0	73·2	73·6	74·0	75·2	77·8	79·6	82·0	83·2	83·6	83·7
	8	78·0	78·0	78·0	77·6	78·0	78·6	80·0	82·0	83·6	84·8	85·0	84·0
	9	78·0	77·6	77·2	76·6	77·2	78·0	80·0	81·2	82·0	82·0	82·0	82·0
	10	76·8	76·6	76·0	76·6	76·5	77·8	79.4	80·8	81·8	82·4	82·0	82·0
	11	77·0	76·8	76·5	75·6	76·5	77·2	78·0	79·2	80·0	80·6	80·8	80·8
	12												
	13	71·8	71·5	70·8	70·6	70·8	72·2	75·2	77·0	79·2	80·2	80·8	81·0
	14	73·8	73·2	72·7	72·5	72·9	74·4	76·0	77·8	78·0	79·2	80·0	80·3
	15	75·3	74·8	74·6	74·0	74·4	75·2	76·8	78·0	80·0	81·2	81·4	81·6
	16	75·6	75·0	74·8	74·4	74·8	76·0	77·2	78·6	80·0	81·3	81·8	81·8
	17	76·3	76·0	75·2	74·7	75·2	76·0	77·6	78·2	80·0	80·5	80·8	81·2
	18	76·0	75·2	75·3	75·2	75·4	76·0	77·0	78·2	80·0	81·2	82·0	82·6
	19												
	20	74·0	74·0	72·8	72·7	72·8	74·6	76·6	78·0	79·2	80·0	80·6	80·8
	21	73·6	73·4	72·7	72·0	73·0	74·6	76·2	78·2	80·0	82·0	82·4	82·0
	22	74·0	74·0	73·2	72·6	72·9	73·8	75·0	76·2	78·0	79·2	79·8	79·8
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	71·4	70·4	70·4	70·4	70·4	71·0	72·0	74·0	75·8	77·0	78·0	78·4
	25	71·6	71·0	70·5	69·6	69·2	70·0	71·6	73·2	75·2	77·2	78·0	78·6
	26												
	27	72·0	71·6	71·2	70·5	71·0	72·0	73·2	75·0	76·8	78·8	80·0	81·4
	28	73·2	72·5	72·0	71·6	72·2	73·0	75·0	76·0	78·0	80·0	80·8	81·0
	29	73·0	72·4	72·4	72·0	72·4	74·0	75·6	77·4	79·2	81·4	82·6	83·4
	30	75·0	74·4	74·4	74·0	74·4	75·4	76·8	78·0	80·2	82·3	83·4	84·0
	31	75·2	74·6	74·0	74·0	74·7	75·4	77·0	78·0	79·2	80·6	81·7	82·0

VERTICAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	$^{h}7$	8^{h}	9^{h}	10^{h}	11^{h}
JANUARY, 1846.	1	+2·13·60	+2·02·60	+1·31·70	+1·41·80	+2·06·60	+2·06·60	+2·18·80	+2·18·80	+2·09·25	+2·09·55	+1·37·05	+1·46·10
	2	+3·13·00	+2·22·00	+2·22·70	+2 03·50	+1·48·80	+2·06·25	+2·13·75	+2·13·75	+2·13·75	+2·25·55	+2·11·90	+1·26·80
	3												
	4	+2·16·90	+2·16·90	+1·47·35	+1·42·40	+2·03·00	+1·32·50	+1·36·90	+1·46·00	+1·46·00	+1·38 05	+2·06·10	+1·45·90
	5	+2·10·45	+2·10·00	+1·46·50	+1·46·50	+1·43·70	+1·43·70	+1·47·25	+2·02·65	+2·06·00	+1·48·50	+1·37·55	+2·06·45
	6	+2·22·80	+2·34·60	+2·11·80	+2·05·10	+2·02·80	+2·20·50	+2·16·30	+2·16·30	+2·10·60	+2·09·40	+2·02·90	+2·00·55
	7	+2·06·50	+2·25·30	+2·20·40	+2·20·40	+2·29·70	+2·14·50	+2·16·50	+2·07·65	+2·01·15	+1·35·25	+1·34·55	+1·49·15
	8	+1·39·05	+2·35·00	+1·38·90	+1·45·20	+1·48·90	+2·18·00	+2·18·00	+2·27·60	+2·23·90	+2·23·25	+2·14·05	+1·38·55
	9	+1·23·80	+2·11·80	+1·38·20	+1·44·80	+1·45·80	+1·45·80	+1·48·00	+2·00·65	+2·05·50	+2·06·45	+1·40·05	+1·41·35
	10												
	11	+0·40·00	+1·17·80	+1·17·80	+1·17·80	+1·17·80	+1·21·35	+1·15·00	+1·11·25	+1·11·15	+1·24·80	+1·22·20	+1·16·10
	12	+1·37·10	+1·15·25	+1·41·05	+1·11·85	+1·11·85	+1·21·95	+1·30·70	+1·24·65	+1·30·95	+1·13·60	+1·23·80	+1·26·50
	13	+1·14·70	+0·32·40	+0·47·10	+1·07·45	+1·16·95	+1·16·95	+1·20·55	+1·25·80	+1·23·10	+1·38·10	+1·19·30	+1·19·20
	14	—	—	—	—	—	—		—	—	—	—	—
	15	—	—	—	—	—	—	--	—	—	—	—	—
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17												
	18	+2·12·50	+1·32·80	+1·19·10	+1·23·35	+1·32·50	+1·27·00	+1·40·32	+2·29·03	+2·18·63	+1·40·85	+1·14·60	+1·10·65
	19	+3·18·80	+1·28·00	+1·26·30	+1·33·95	+1·38·90	+1·40·15	+1·44·75	+2·18·17	+2·06·37	+1·30.15	+1·20·50	+0·49·60
	20	+2·14·00	+1·41·40	+1·28·65	+1·41·05	+1·49·55	+1·30·50	+1·22·50	+1·34·10	+1·15·97	+1·04·40	+1·02·30	+0·48·70
	21	+2·01·97	+1·18·75	+0·37·87	+1·26·35	+1·29·87	+0·44·22	+1·01·50	+1·43·80	+1·22·03	+1·02·75	+0·47·00	+1·29·10
	32	+1·49·00	+0·01·70	+1·10·75	+0·42·30	+0·45·05	+0·42·17	+0·42·35	+0·49·60	+1·11·30	+0·26·20	+0·24·40	+0·14·20
	23	+0·41·60	+0·22·47	+0·37·40	+0·47·75	+0·49·50	+0·40·85	+0·34·20	+0·36·90	+0·34·30	+0·15·20	+0·11·40	+0·28·40
	24												
	25	+0·35·45	+0·09·40	+0·19·90	+0·36·75	+1·05·52	+0·43·65	+0·35·00	+1·07·02	+0·30·40	+0·19·10	+0·10·10	+0·18·90
	26	+0·10·90	−0·20·50	+0·03·35	+0·16·60	+0·21·40	+0·13·45	+0·12·65	+1·08·75	+0·27·90	+0·22·70	+0·16·80	+0·20·30
	27	+1·13·10	+0·23·45	+0·09·10	+0·12·40	+1·23·50	+0·43·90	+0·42·70	+0·44 05	+2·03·87	+0·27·40	+0·23·70	+0·30·30
	28	+1·48·40	+0 30·65	+0·47·00	+1·05·50	+1·02·15	+0·32·27	+0·33·40	+0·44·60	+1·36·90	+0·31·60	+0·31·10	+0·28·40
	29	+1·21·50	+0·03·50	+0·13·75	+0·24·65	+0·42·35	+0·31·65	+0·42·70	+0·26·27	+0·38·05	+0·28·40	+0·26·15	+0·13·35
	30	+0·27·90	+0 05·60	+0·05·37	+0·03·25	+0·31·67	+0·44·62	+0·17·62	+0·26 95	+1·19 20	+0·37·00	+0·15·90	+0·16·90
	31												

THERMOMETER OF VERTICAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
JANUARY, 1846.	1	82°·0	81°·5	80°·7	80°·0	79°·7	79°·0	78°·8	78°·5	78°·5	78°·5	78°·4	78°·2
	2	84·2	83·9	82·5	81·4	80·9	80·5	79·7	79·3	79·0	79·0	78·7	78·4
	3												
	4	83·5	83·1	82·0	81·0	80.4	80·0	79·6	79·4	79·2	78·7	78·3	78·2
	5	81·9	81·4	80·4	79·9	79·4	79·0	78·8	78·4	78·5	77·5	77·3	77·2
	6	82·0	81·4	80·0	79·4	79·0	78·7	78·2	77·7	77·5	77·4	76·7	76·5
	7	81·7	80·9	79·9	79·3	79·0	78·4	78·0	77·6	77·1	77·1	76·6	75·6
	8	82·2	81·4	80·1	79·4	78·9	78·5	77·9	77·5	77·1	76·9	76·7	76·2
	9	80·7	80·3	79·0	78·3	77·9	77·5	77·2	76·9	76·5	75·9	75·6	75·2
	10												
	11	81·5	81·6	80·2	79·5	78·9	78·5	78·0	77·5	77·5	77·4	77·3	76·9
	12	81·9	81·5	80 0	79·5	79·0	78·5	78·2	77·7	77·5	77·4	77·4	77·0
	13	83·0	82·0	80·5	79·7	79·5	79·0	78·5	78·0	77·8	77·8	77·4	77·3
	14	84·4	84·0	82·4	81·5	80·6	80·2	80·0	79·7	79·5	79·5	79·2	78·8
	15	85·4	84·7	83·5	82·5	81·5	81·0	80·7	80·3	80·2	79·9	79·5	79·0
	16	84·3	84·2	82·6	81·5	81·0	80·5	80·2	79·8	79·5	79·3	78·8	78·3
	17												
	18	83·5	83·2	81·5	81·0	80·5	79·8	79·0	78·6	78·3	78·0	77·9	77·3
	19	83·2	82·6	81·5	80·5	80·0	79·5	78·7	78·4	78·2	77·9	77·6	77·4
	20	83·4	83·1	81·5	80·7	80·0	79·4	78·8	78·7	78·5	78·3	77·9	77·4
	21	82·5	81·8	80·5	80·0	79·5	78·7	78·2	78·0	77·5	77·5	77·0	76·9
	22	82·3	81·5	80·5	79·7	79·5	78·9	78·2	77·8	77·5	77·3	76·9	76·4
	23	82·9	82·4	81·0	80·5	79·7	79·2	78 5	77·8	77·5	77·3	76.9	76·5
	24												
	25	80·5	80·3	78·9	78·0	77·6	77·2	77·0	76·7	76·2	75·9	75·5	75·4
	26	80·8	80·0	78·6	78·0	77·6	77·4	17·0	76·5	76·2	76·0	75·9	75·5
	27	80·9	80·5	79·0	78·0	77·7	77·3	76·6	76·1	75·9	75·4	75·0	74·8
	28	81·9	80·7	79·5	78·5	78·0	77·5	76·8	76·4	76·2	75·9	75·8	75·4
	29	81·3	80·4	79·1	78·5	78·0	77·5	76·6	76·2	76·0	75·5	75·3	75·0
	30	81·9	81·3	79·7	79·0	78·3	77·7	77·2	76·7	76·4	76·0	75·7	75 4
	31												

VERTICAL FORCE MAGNETOMETER.

	Date. Göttingen Mean Time.	1^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
JANUARY, 1846.	1	+1·41·40	+1·47·00	+2·09 80	+1·47·30	+2·06·80	+1·46·30	+2·06·75	+2·06·75	+2·26·70	+3·12·20	+3·22·50	+3·25·75
	2	+1·35·75	+1·43·90	+1·32·40	+1·24·60	+2 28·70	+2·21·55	+2·16·60	+2·24·60	+2·44·10	+1·30·20	+1·17·00	+1·19 35
	3												
	4	+1·27·35	+2·01·20	+2·01·00	+1·33·40	+2·06·20	+2·21·90	+2·19·00	+2 06·75	+2·04·30	+1·36·90	+2·03·45	+2·12·25
	5	+1·40·80	+1·33·60	+1·25·80	+1·25·80	+2·13·50	+3·15·00	+2·35·15	+3·29·25	+3·29·25	+3·09·25	+1·40·55	+1·36·25
	6	+1·37·00	+2·17·80	+2·17·80	+1·36·30	+2·01·70	+1·36·10	+2·08·50	+3·26·85	+3·26·85	+3·30·75	+3·01·65	+2·14·25
	7	+2·03·65	+1·42·90	+1·42·00	+2·07·30	+2·11·10	+2·28·00	+2·05·25	+2·10·40	+1·37·15	+1·30·35	+1·48·20	+1·32·75
	8	+1·40·75	+2·01·40	+1·30·20	+1·26·00	+2·08·20	+1·27·80	+1·27·80	+2·08·15	+2·08·15	+1·24·80	+2·02·65	+1·46·20
	9	+0·31·90	+1 30·70	+1·30·70	+1·37·30	+2·01·00	+1·35·10	+0·40·00	+0·30·25	+1·07·50	+2·07·90	+2·12·35	+2·08·25
	10												
	11	+1·16·10	+1·08·20	+1·09·65	+0·47·00	+1·24·50	+1·31·65	+1·00·70	+0·24·50	+0·49·70	+1·38·80	+2·10·50	+1·42·20
	12	+1·18·10	+1·18·10	+1·00·00	+0·38·25	+1·17·75	+2·18·00	+2·05·10	+0·49·95	+1·33·85	+2·04·25	+1·46·80	+0·33·20
	13	+1·14·10	+1·13·10	+0·21 70	+1·22 50	—	—	—	—	—	—	—	—
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	—	—	—	—	—	—	—	—	+2·27·70	+2·02·10	+2·39·10	+0·26·75
	17												
	18	+1·09·90	+1·09·15	+1·10·75	+1·00·90	+0·35·50	+0·28·20	−0·12·30	−0 20·08	+0·43·75	+2·23·20	+3·19·30	+3·08·30
	19	+1·02·90	+1·38·75	+0·35·60	+1·02·40	+1·08·60	−0·01·55	−0·30·60	−0·31·35	−0·12·50	+1·05·08	+2·36·50	+3·16·50
	20	+1·20·75	+1·00·10	+0·33·30	+1·11·92	+1·40·00	1·04·60	−0·22·30	−0·44·65	+0·11·45	+2·12·25	+2·14·10	+2·06·25
	21	+0 24·75	+0·24·00	−0·00·25	+0·06·45	+0·21·25	−0·44·20	−2·41·60	−1·08·80	+0·12·90	+2·07·10	+2·43·70	+3·14·40
	22	+0·10·25	+0·07·77	+0·12·55	+0·10·30	+1·07·85	+0·36·87	−0·45·40	−0·19·50	+0·27·65	+1·20·40	+1·41·55	+0·44·60
	23	+0·20·30	−0·14·95	−0·42·27	−0·06·65	+0·47·60	−0·34·25	−3·30·57	−4·04·70	−1·46·85	+0·08·80	+1·09 30	+1·19·00
	24												
	25	+0·18·10	+0·28·10	+0·30·50	+0·10·35	+1·20·05	+1·31·75	+0·29·20	−0·40·40	−0·15·60	+0·05·20	+0·11·50	+0·16·70
	26	+0·07·50	+0·07·20	+0·02·62	−0·06·40	+0·35·00	+0·41·70	+0·40·57	+0·23·70	+0·37·75	+1·07·30	+0·46·80	+1·14·50
	27	+0 30·60	+0 28·20	+0·26·20	+0·13·90	+0·36·95	−0·30·45	−2·25·70	−2·28·02	−1·19·25	+0·28·20	+1·21·00	+1·36·20
	28	+0·15·30	+0·02·50	−0·14·60	+0·36·20	+1·17·25	+1·20·00	+1·10·27	+1·10·50	+2·18·85	+2·41.00	+2·25·30	+2·13·10
	29	+0·14·30	+0·04·15	+0·05·92	−0·07·75	+0·43·32	+1·03·55	−0·33·67	−0·21·90	+0·09·17	+0·48·90	+1·11·80	+1·02·10
	30	+0·08·90	−0·17·65	+0·02·60	+0·04·50	−0·06·70	+0·04·95	−0·40·70	−0·48·10	+1·13·17	+1·48·20	+1·44·50	+1·19·30
	31												

THERMOMETER OF VERTICAL FORCE MAGNETOMETER.

	Date. Göttingen Mean Time.	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
JANUARY, 1846.	1	78°·1	77°·9	77°·5	77°·4	77°·8	79°·0	80°·5	81°·5	82°·5	83°·0	84°·0	84°·2
	2	78·2	78·0	77·7	77·3	77·4	78·0	78·5	80·7	81·5	82·7	84·0	84·1
	3												
	4	77·7	77·9	77·5	77·0	77·5	78·0	79·0	80·0	80·5	81·6	81·7	81·7
	5	76·8	76·8	76·4	76·3	76·2	77·0	77·9	78·9	79·5	80·1	80·7	81·6
	6	76·3	75·8	75·5	74·9	75·4	76·5	77·7	78·7	79·5	80·2	81·2	82·0
	7	75·2	74·5	74·0	73·5	74·4	75·5	77·0	78·5	79·9	80·7	81·5	82·2
	8	75·9	75·8	75·3	74·4	74·6	76·0	77·0	78·0	79·0	79·5	80·3	81·1
	9	74·9	74·5	73·5	73·4	73·9	75·2	76·4	77·0	78·0	78·5	79·7	80·5
	10												
	11	76·4	76·0	75·5	75·2	75·5	76·3	77·5	78·6	79·0	79·9	81·0	81·9
	12	76·8	76·5	75·6	75·5	76·0	76·8	78·2	79·6	80·8	81·3	82·0	82·9
	13	77·0	76·6	76·5	76·3	76·6	77·7	78·8	80·0	81·6	82·8	83·6	84·3
	14	78·4	77·9	77·6	77·2	77·6	78·6	79·7	80·9	82·2	83·2	84·4	84·9
	15	78·9	78·5	78·0	77·9	78·0	78·4	79·5	80·7	81·5	82·1	83·4	84·5
	16	77·9	77·5	77·0	76·7	77·0	78·0	79·4	80·3	81·7	82·0	82·9	83·8
	17												
	18	76·9	76·5	76·1	75·9	76·1	77·5	79·0	80·5	81·5	82·3	82·6	83·4
	19	76·9	76·8	76·5	76·0	76·6	77·5	78·7	80·2	81·4	82·0	82·6	83·6
	20	77·0	76·5	76·1	75·6	76·3	77·2	78·1	79·1	79·7	80·6	82·1	82·7
	21	76·4	75·5	75·5	75·6	75·6	76·7	77·7	79·0	80·0	80·9	81·8	82·3
	22	76·0	76 0	75·5	75·1	75·6	77·2	78·2	79·4	80·9	81·5	82·1	83·3
	23	76·3	75·6	75·2	75·0	75·6	76·6	77·7	78·6	79·1	79·9	80·4	80·8
	24												
	25	75·3	75·2	75·0	74·5	74·7	75·2	77·0	77·7	78·7	79·9	80·4	81·0
	26	75·0	74·5	74·5	74·5	74·5	75·2	76·6	77·6	78·5	79·4	80·3	80·5
	27	74·4	73·6	73·0	72·6	73·5	74·7	75·9	77·5	78·5	79·6	80·5	81·5
	28	75·3	74·6	74·4	74·0	74·3	75·2	76·5	77·7	78·3	79·4	80·2	81·4
	29	74·7	74·5	74·0	73·5	73·5	74·8	77·2	79·0	79·0	80 3	81·1	82·2
	30	75·0	74·9	74·9	74·5	75·1	75·7	76·8	78·2	79·2	79·9	81·1	82·2
	31												

VERTICAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
FEBRUARY, 1846.	1	+1·18·22	+0·04·70	+0·09·05	+0·32·75	+0·15·80	+0·04·55	+0·18·80	+0·25·20	+0·28·30	+0·33·35	+0·16·25	+0 20·10
	2	+1·21·45	+1·02·25	+0·22·75	+0·30·32	+0·29·90	+0·26·15	+0·07·80	+0·12·15	+0·25·80	+0·23·95	+0·25·65	+0·29·05
	3	+1·09·22	+1·01·00	+0·32·15	+0·41·50	+0·37·50	+0·25·20	+0·34·15	+1·26·15	+0·24·70	+0.25·72	+0·35·65	+0·30·70
	4	+0·24·30	+0·20·40	+0·16·85	+0·24·25	+0.30·00	+0·01·20	+0·13.65	+0·24·85	+0·38·20	+0·33·87	+0·36·42	+0·24·12
	5	+0·35·60	+0·26·70	+0·43·80	+0·46·00	+0·46·95	+0·15·50	+0·33·10	+0·30·70	+1·16·00	+0·32·05	+1 05·97	+0·42·70
	6	+0·40·10	+0·13·40	+0·36·07	+0·27·37	+1·02·90	+0·18·00	+0·22·80	+0·22·60	+0·26·20	+0·38·35	+0·28·35	+0·20·78
	7												
	8	–0·19·25	–0 20·50	+0·01·80	+0·13·55	+0·04·50	+0·06·90	+0·01·05	+0·01·80	–0·09·15	+0·20·30	+0·13·55	–1·17·32
	9	+0·02·35	–1·21·75	–0·05·55	+1·20·30	–0·28·55	–0·00·50	+0·07·95	+0·26·30	+0·24·85	+0·19·55	+0·16·12	+0·15·90
	10	+1.08·20	–0·32·10	–0·02·90	+0·27·70	+0·46·87	+0·32·60	+0 31·95	+0·19·60	+0·21·20	+0·28·85	+0·24·87	+0·22·93
	11	+1·36·47	–0·08·50	+0·23·50	+0·27·00	+0·22·85	+0·07·35	+0 05·50	+0·25·80	+0·27·80	+0·09·70	+0·04·20	–0·01·00
	12	+1·26 50	–0·48·00	–0·35·85	–0·29·95	–0·23·50	–0·22·80	–0·07·20	–0·07·20	–0·07·20	+0·02·67	+0·05·52	+0·03·32
	13	+0·27·25	–0·32·50	–0·20·72	–0·13·05	–0·04·00	–0·16·70	–0·07·75	–0·15·20	–0·06·25	–0·03·85	+0·00.65	–0·13·30
	14												
	15	+1·07·50	–0·05·70	–0·13·10	+0·18·65	+0·24·00	+0·01·20	+0·07·00	–0·10·60	–0·07·80	–0·04·40	–0·04·25	–0·10·12
	16	+1·16·70	–0·11·30	–0·00·90	–0·01·27	+0·20·15	–0·09·30	+0·14·00	+0·02·95	+0·16·25	+0·34·60	+0·23·50	+0·22·37
	17	+0·48·60	+0·01·42	+0·12·82	–0·03·15	–0·00·05	+0·10·10	+0·10·10	+0·11·10	+0·20·60	–0·10·60	+0·04·40	+0·05 25
	18	+2·34·45	+0·25·70	+0·14·05	+0·15·82	+0·15·77	+0·16·75	+0·17·95	+0·29·70	+0·27·30	+0·47·70	+0·18·82	+0·22·42
	19	—	–0·04·32	+0·12·00	+0·16·70	+0·18·10	+0·16·75	+0·15·10	+0·23·20	+0·19·80	+0·05·45	+0·22·80	+0·17·05
	20	+1·12·55	–0·18·25	–0·15·15	+0·01·37	+0·06·00	–0·11·90	–0·24·00	–0·09·95	–0·10·80	–0·09·80	–0·26·82	–0·03·60
	21	+0·27·97	–0·25·70	–0·16·10	–0·07·20	–0·00 02	–0·30·50	–0·21·35	–0·23·90	–0·15·00	–0·22·95	–0·27·70	–0·21·62
	22	+0·08·65	–1·32·65	–1·08·22	–0·02·72	–0·06·37	–0·30·50	–0·26·65	–0·19·40	–0·20·75	–0·16·77	–0·18·77	–0·18·20
	23	+0·41·40	–0·49·80	–0·36·27	–0·07·00	–1·18·30	–2·00·40	–2·15·50	–1·09·30	–0·33·30	–0·27·35	–1·20·65	–0·14·55
	24	+0·24·25	–0·23·50	–0·13·50	+0·04·20	+0·23·80	–0·04·80	–0·19·80	–0·22·80	–0·29·30	–0·14·45	–0·04·85	–0·31·50
	25	+0·29·20	–0·46·70	–0·27·50	+0·23·70	+0·18·70	+0·20·65	+0·30·80	–0·01·60	–0·25·40	–0·46·30	–1·03·65	–0·37·95
	26	+1·12·60	+0·04·15	+0·01·90	+0·09·70	+0·41·40	+0·15·80	+0·03·60	–0·04·80	+0·11·30	+0·10·40	–0·05·27	–0·16·37
	27	+0·31·05	–0·05·20	–0·29·40	–1·31·65	–0·35·80	+0·17·70	–0·07·10	–1·01·90	–1·02·70	–1·07·95	–0·39·45	–1·03·55
	28												
	29												
	30												
	31												

THERMOMETER OF VERTICAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
FEBRUARY, 1946.	1	81°·5	81°·8	80°·4	79°·7	79°·2	79°·0	78°·9	78°·4	78°·3	77°·8	77°·5	77°·2
	2	82·4	83·0	80·3	80·3	79·7	79·3	78·9	78·4	77·9	77·3	77·0	76·6
	3	81·2	81·3	80·1	79·5	79·0	78·5	78·3	77·9	77·5	76·6	76·5	76·0
	4	82·0	81·9	80·6	80·1	79·7	79·4	79·0	78·4	77·9	77·7	77·2	76·7
	5	82·7	82·5	81·5	80·5	80·0	79·5	79·0	78·8	78·5	77·8	77·8	77·7
	6	84·9	84·5	83·0	81·8	81 3	80·9	80·2	79·9	79·5	79·3	78·8	78·6
	7												
	8	83·5	83·5	82·0	81·5	81·0	80·9	80·4	80·0	79·9	79·5	79·2	78·7
	9	82·5	82·3	81·2	80·5	80·0	79·5	79·5	79·3	79·0	78·7	78·5	77·9
	10	83·4	82·5	81·3	80·7	80·2	80·0	79·8	79·4	78·9	78·9	78·7	78·5
	11	83·5	82·2	81·0	80·4	79·9	79·5	79·4	79·0	78·9	78·6	78·5	78·2
	12	82·0	81·5	79·6	78·2	77·1	76·7	76·7	76·3	75·9	75·3	75·0	74·8
	13	80·8	80·4	79·1	78·1	77·6	77·3	77·0	76·8	76·4	76·0	75·5	75·3
	14												
	15	82·0	81·8	80·5	79·6	79·0	78·7	78·0	77·5	77·2	76·7	76·5	76·2
	16	85·5	84·0	82·5	81·5	81·2	80·9	80·2	80·0	79·8	79·2	79·0	78·9
	17	87·8	86·6	85·0	83·6	82·5	82·1	81·7	81·4	81·2	80·8	80·7	80·4
	18	86·9	85·5	84·0	83·1	82·5	82·4	81·9	81·5	81·3	81·0	80·5	80·0
	19	86·7	85·5	84·4	83·5	83·0	82·4	81·9	81·8	81·4	81·0	80·5	80·5
	20	84·7	84·2	83·0	82·5	82·0	81·6	81·0	80 8	80·0	79·2	78·0	78·5
	21												
	22	83·0	83·0	81·5	81·0	80·2	79·9	79·5	78·9	78·4	78·0	77·7	77·5
	23	82·5	82·3	81·3	80·1	80·0	79·5	79·4	79·2	79·0	78·7	78·5	78·2
	24	82·9	83·0	81·9	81·6	81·0	82·5	82·5	82·3	82·2	81·6	81·2	80·7
	25	82·8	82·6	82 3	82·5	82·1	81·4	80·6	80·3	79·9	79·3	79·0	79·2
	26	82·3	82·2	81·5	82·3	82·5	82·3	82·3	82·5	82·4	82·4	82·4	81·8
	27	82·5	82·5	81·7	82·1	82·3	82·3	82·3	81·9	81·4	80·8	80·2	80·0
	28	82·7	82·6	82·5	83·0	82·0	81·8	82·4	83·3	84·0	84·2	84·0	83·9
	29												
	30												
	31												

VERTICAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
FEBRUARY, 1846.	1	+0·25·45	+0·29·35	+0·23·10	+0·16·75	+1·04·45	+1·00·00	−0·00·60	−0·22·50	−0·29·10	+1·02·37	+1·09·90	+1·27·90
	2	+0·35·10	+0·27·00	+0·31·30	+0·39·35	+0·32·20	+0·09·10	−0·17·30	−0·42·00	−0·14·80	+0·16·90	+0·15·25	+0·33·70
	3	+0·29·12	+0·25·60	+0·28·22	+0·41·40	+1·19·70	+0·26·20	−0·12·50	−1·20·10	−0·47·80	−0·07·85	+0·25·50	+0·22·25
	4	+0·33·90	+0·28·80	+0·21·45	+0·41·20	+1·20·00	+1·17·30	+0·30·30	+0·08·70	+0·37·80	+0·44·10	+0·38·80	+0·31·30
	5	+0·28·35	+0·42·05	+0·11·00	+0·21·35	+0·28·40	+0·13·70	+0·06·80	−0·07·10	+0·10·40	+0·32·50	+0·37·00	+1·07·45
	6	+0·06·87	+0·07·70	−0·08·37	+0·01·45	+0·36·70	+0·40·30	+0·11·70	−0·05·60	+0·35·20	+1·01·60	+0·47·82	+0·32·45
	7												
	8	+0·06·50	+0·18·55	+0·01·97	−0·38·82	−0·20·45	−0·10·30	−0·20·30	+0·03·20	+0·29·90	+1·31·00	+2·29·20	+1·17·85
	9	+0·05·50	−0·20·85	−0·09·97	−0·41·35	−0·31·97	−0·33·20	−0·09·80	+0·22·40	+1·16·50	+2·31·10	+2·45·55	+2·35·30
	10	+0·24·88	−0·02·25	+0·08·40	−0·20·25	−0·31·35	−0·28·00	−0·14·30	−0·19·40	+0·44·50	+2·07·85	+2·42·20	+2·26·45
	11	−0 12·25	−0·09·15	−0·05·00	−0·23·87	−0·40·20	−0·40·20	−0·14·55	+0·08·00	+1·16·70	+2·40·90	+3·06·90	+2·31·27
	12	+0·02·00	−0·25·60	−0·16·45	−0·24·40	−1·10·12	−2·01·50	−2·33·70	−2·13·10	−0·44·00	+0·20·45	+1·13·72	+1·35·90
	13	−0·27·15	−0·25·60	−0·14·55	−0·33·32	−1·12·50	−1·29·70	−2·13·90	−1·36·90	−0·37·90	+0·30·92	+1·17·30	+1·07·32
	14												
	15	−0·05·80	−0·25·00	+0·03·70	−0·09·97	−0·30·50	−1·11·10	−1·11·10	−0·43·90	−0·23·80	+1·14·85	+1·28·95	+1·31·50
	16	+0·15·15	+0·19·05	+0·21·05	+0·17·45	−0·34·95	−1·27·60	−1·38·90	−1·24·80	−0·16·60	+0·37·80	+1·13·15	+1·25·55
	17	+0·16·30	+0·04·97	+0·15·85	+0·21·10	+0·02·00	−0·28·10	−0·32·10	+0·03·30	+0·41·20	+1·21·30	+1·40·90	+2·14·10
	18	+0·21·05	+0·07·87	+0·19·50	+0·17·97	+0·01·35	−0·18·10	−0·46 65	−1·02·30	−0·07·70	+0·32·35	+2·00·00	+1·44·95
	19	+0·16·10	+0·03·35	+0·16·60	−0·01·20	−0·46·60	−1·30·80	−1·27·80	−0·20·50	+0·19·70	+1·23·95	+2·19·05	+2·22·00
	20	+0·06·65	−0·16·55	−0·09·10	−0·20·00	−1·00·20	−1·46·50	−2·27·40	−1·30·60	−1·18·60	−0·06·85	+0·35·40	+1·10·90
	21	−0·28·72	−0·32·47	−0·15·25	+0·00·70	−0·29·40	−2·07·50	−3·07·80	−2·46·10	−1·41·40	+0·04·00	+1·47·70	+1·32·30
	22	−0·18·05	−0·29·37	−0·09·50	−0·10·15	−1·41·00	−3·13·00	−3·49·40	−3·00·40	−1·13 50	+0·30·37	+1·33·85	+2·09·70
	23	−0·24·20	−0·15·20	−0·23·50	−0·27·65	−1·00·30	−2·09·20	−3·10·40	−3·10·40	−2·16·60	−0·17·75	+0·48·45	+1·25·10
	24	−1·19·75	−1·02·90	−0·04·60	−0·23·42	−1·32·75	−3·03·30	−3·19·40	−1·35·20	−1·20·30	+0·15·30	+1·06·90	+1·38·00
	25	−0·20·46	−0·34·80	+1·09·55	−0·07·45	−1·23·50	−2·38·40	−3·20·40	−2·17·70	−0·45·80	+0·18·02	+2·06·25	+2·17·60
	26	−0·02·55	−0·15·00	−0·28·00	−0·28·00	−1·08·50	−2·41·20	−3·46·40	−2·49·70	−1·35·70	−0·19 90	−0·43·50	+1·03·35
	27	−0·41·70	−0·32·35	−0·01·20	+0·16·40	+0·01·00	−1·25·00	−2·09·10	−1·29·80	−0·43·10	+0·22·20	+1·07·05	+1·16·70
	28												
	29												
	30												
	31												

THERMOMETER OF VERTICAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
FEBRUARY, 1846.	1	77°·0	76°·9	76°·5	76°·3	76°·5	77°·5	78°·6	79°·6	80°·2	80°·7	81°·6	82°·5
	2	76·2	76·0	75·6	75·5	75·5	76·3	77·4	78·5	79·0	79·4	80·3	80·9
	3	75·8	75·6	75·5	75·2	75·5	76·4	77·5	78·8	79·5	80·1	81·2	81·5
	4	76·5	76·5	76·0	75·5	76·1	77·4	78·4	79·7	80·8	81·1	82·0	82·5
	5	77·3	76·9	76·5	76·3	76·9	78·3	79·6	81·0	83·3	83·3	84·3	85·2
	6	78·2	78·0	77·6	77·5	78·0	79·0	80·5	81·7	83·4	85·7	85·3	85·4
	7												
	8	78·0	78·0	78·0	77 5	78·0	78·6	79·5	80·6	81·4	81·7	82·6	83·3
	9	77·5	77·6	77·5	77·2	77·7	78·8	79·9	80·9	81·4	81·9	82·5	83·2
	10	78·4	78·2	78·0	77·7	77·5	79·0	79·9	80·6	81·1	81·5	82·2	82·7
	11	77·8	77·5	77·5	77·0	77·3	78·3	79·5	80·1	80·7	80·8	81·2	81·9
	12	74·7	74·2	74·0	73·7	74·5	75·2	76·5	77·8	78·8	79·0	80·0	81·0
	13	75·0	75·0	74·5	74·2	74·9	76·0	77·3	78·2	79·0	79·5	80·2	79·6
	14												
	15	76·2	76·0	75·6	75·3	75·5	76·8	78·4	80·2	82·1	83·9	85·3	85·8
	16	78·6	78·5	78·4	78·0	78·7	80·6	82·3	83·9	85·6	86·3	87·2	88·7
	17	79·7	79·5	79·0	79·0	79·6	81·0	82·5	84·3	85·5	86·2	86·2	86·7
	18	79·8	79·6	79·3	78·7	79·5	80·6	81.6	82·5	83·5	84·2	85·2	86·0
	19	80·0	79·7	79·4	79·0	78·9	79·9	80·9	82·1	82·8	83·5	84·2	85·2
	20	78·2	78·0	77·7	77·6	78.2	79·1	80·4	81·3	81·8	82·0	82·8	83·8
	21												
	22	77·2	76·9	76·2	76·5	77·0	78·1	79·4	80·0	80·5	80·9	81·9	82·0
	23	77·8	78·0	77·5	77·5	78·0	79 1	80.4	81·0	81·5	81·9	82·6	83.2
	24	80·6	80·6	80·5	79·0	78·9	79·6	80·5	81·3	81·5	81·7	81·9	82·4
	25	79·2	78·5	—	77·7	77·7	78·3	79·4	80·2	80·5	81·0	81·5	81·9
	26	81·2	81·0	80·5	78·3	78·1	78·9	79·8	80·5	81·3	81·5	81·7	82·2
	27	79·9	77·5	80·2	78·5	78·0	78·5	79·6	80·5	81·0	81·2	81·7	82·5
	28	83·5	82·0	82·0	79·4	78·9	79·3	80·0	81·0	81·5	81·7	82·4	83·1
	29												
	30												
	31												

VERTICAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
MARCH, 1846.	1												
	2	+0·04·00	–0·36·45	–0·41·65	–0·31·30	–0·14·90	–0·44·00	–0·44·10	–1·10·20	–1·10·20	+0·03·60	+0·27·80	+0·00·50
	3	+0·31·20	+0·02·15	–0·15·70	–0·19·00	–0·16·20	–0·02·10	–0·09·02	–0·08·05	–0·15·70	–0·15·70	–0·15·70	–0·10·40
	4	+0·04·90	–0·33·75	–0·15·10	–0·28·72	–0·33·35	–0·33·35	–0·36·90	–0·25·00	+0·08·70	–0·08·20	–0·18·40	–0·07·70
	5	+0·09·10	+0·01·75	+0·03·70	+0·38·80	+0·32·50	+0·38·30	–0·11·50	–0·13·15	–0·21·75	+0·16·20	+0·29·20	+0·38·20
	6	+0·25·50	–0·10·25	–0·32·25	–1·05·10	–1·10·85	–1·18·55	–0·42·50	–0·23·10	–0·15·85	–0·15·70	–0·45·70	–1·17·80
	7												
	8	+0·25·05	–0·12·90	–0·18·00	–0·18·00	–0·07·65	+0·17·40	+0·20·50	+0·17·40	–0·07·25	–0·14·40	–0·20·70	–0·30·10
	9	+0·35·80	–0·12·65	–0·18·55	–0·25·15	–0·49·70	–2·26·35	–0·25·20	–1·18·90	–1·01·65	–0·39·50	–0·24·10	–0·15·60
	10	+0·25·90	–0·14·50	–0·21·85	–0·43·55	–0·19·20	–0·14·80	–0·05·60	–0·05·60	+0·00·30	+0·07·75	+0·15·55	–0·06·70
	11	+0·32·90	–0·01·80	–0·16·80	+0·36·70	+0·41·60	+1·06·20	+1·19·00	+1·28·90	+0·27·70	+0·20·15	+0·03·15	+0·09·00
	12	+0·25·30	–0·14·95	–0·18·55	–0·26·00	–0·13·30	+0·00·75	+0·15·10	+0·17·95	+0·17·95	–0·09·40	–0·04·50	+0·01·30
	13	+0·02·70	–0·20·75	–0·14·10	–0·02·35	–0·22·55	–0·18·30	–0·04·40	–0·27·30	–0·26·00	+0·12·80	+0·25·40	+0·22·00
	14												
	15	–0·08·30	–1·07·25	–0·41·65	–1·00·10	–0·30·85	–0·19·90	–0·03·50	–0·16·00	+0·05·95	–0·11·00	–0·19·80	–0·33·00
	16	–0·21·50	–1·18·00	–0·09·80	–0·03·20	–0·03·20	+0·22·50	+0·48·15	+1·19·60	+1·06·25	+0·27·30	+0·08·00	+1·00·30
	17	+0·47·00	+0·10·70	–0·10·30	–0·28·85	–0·18·65	+0·10·45	+0·21·25	+1·23·25	+0·37·25	+0·23·20	+0·34·20	+0·42·70
	18	+0·15·50	–0·18·20	–0·07·55	–0·07·55	–0·01·80	+0·20·00	–0·04·10	+0·18·65	+0·18·65	+0·23·80	+0·28·90	+0·28·70
	19	+0·36·10	+0·06·40	–0·16·95	–0·05·40	–0·07·90	–0·21·90	–0·08·30	+0·20·40	+0·11·00	+0·12·60	+0·34·50	+0·17·10
	20	+0·37·30	+0·16·90	–0·01·10	–0·09·50	+0·07·95	–0·10·50	–0·10·50	–0·00·50	+0·18·50	–0·03·80	–0·27·50	–0·33·00
	21												
	22	+0·23·40	–0·29·95	–0·19·65	–0·12·40	–0·15·00	–0·06·10	+0·32·80	+0·44·65	–0·08·90	+0·15·80	+0·33·90	+0·20·80
	23	+0·45·00	+0·30·05	–0·18·10	–0·21·15	+0·16·60	+0·31·05	+0·45·00	+1·20·00	+2·08·50	+0·42·90	+0·38·20	+0·41·30
	24	+0·10·20	+0·10·20	+0·37·90	+1·09·85	+1·05·70	+1·03·75	+1·14·00	+1·34·25	+1·12·25	+0·39·10	+0·35·60	+0·42·00
	25	+1·25·20	+0·42·25	+0·05·55	–0·04·75	–0·01·70	+0·09·25	+0·38·25	+1·47·60	+2·12·25	+1·09·20	+0·41·30	+0·30·10
	26	+2·16·00	+1·18·80	+0·16·05	+0·06·60	–0·03·17	+0·15·50	+0·26·50	+0·42·00	+0·32·40	+0·25·60	+0·11·50	+1·08·30
	27	+0·34·90	+0·07·20	+0·06·05	+0·48·20	+1·19·10	+1·03·50	+1·09·80	+1·04·50	+1·12·10	+1·23·25	+0·48·90	+1·03·80
	28												
	29	+0·31·25	–0·33·85	–0·46·75	–0·23·25	–0·06·80	+0·00·85	–0·05·65	+0·14·95	+0·14·95	+0·12·00	–0·01·70	–0·06·40
	30	+0·08·80	–0·15·60	–0·01·00	–0·39·35	–0·39·35	–0·39·35	–0·39·35	–0·39·35	–0·33·10	–0·20·30	–0·38·50	–0·32·20
	31	+1·15·60	+0·16·90	–0·09·10	+0·33·75	+0·33·20	+0·16·10	+0·16·10	+0·23·50	+0·37·90	+0·30·60	–0·15·00	–0·10·70

THERMOMETER OF VERTICAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
MARCH, 1846.	1												
	2	83°·0	82°·5	81°·7	83°·0	83°·2	83°·0	83°·0	83°·2	83°·2	82°·6	82°·4	82°·3
	3	84·0	83·8	83·2	84·0	84·2	84·0	84·0	84·5	84·4	83·5	82·9	82·8
	4	83·9	83·3	82·7	84·2	84·7	85·1	85·7	86·0	84·5	83·9	83·5	83·4
	5	83·4	82·7	82·0	83·2	83·7	84·0	84·7	84·7	84·5	83·3	82·7	82·4
	6	83·4	83·0	83·2	84·2	84·7	85·0	85·0	84·5	83·9	83·2	82·9	82·8
	7												
	8	83·7	83·2	83·2	84·2	84·2	84·5	84·6	84·5	84·3	83·5	82·7	82·3
	9	84·4	84·3	83·3	84·7	85·2	84·5	85·0	85·0	85·0	84·0	83·4	82·8
	10	84·4	83·6	83·2	84·4	84·8	85·3	84·8	84·4	84·3	84·2	83·2	83·2
	11	84·5	83·7	82·5	83·6	83·8	84·2	84·2	84·4	83·5	83·2	83·2	83·2
	12	84·3	83·6	83·5	84·3	84·6	85·0	85·3	85·1	84·7	83·9	83·5	83·2
	13	84·0	83·0	82·3	83·3	83·5	83·5	83·5	83·4	83·0	82·5	82·3	81·9
	14												
	15	82·2	82·2	81·3	82·7	82·7	83·0	83·2	83·0	83·0	82·4	81·3	80·9
	16	84·2	85·2	82·9	83·7	83·7	83·5	83·5	83·5	84·0	83·3	82·3	81·8
	17	83·7	83·5	82·3	82·8	82·6	82·4	82·2	81·7	81·5	81·4	80·9	80·8
	18	82·8	82·4	81·2	81·6	81·7	81·9	81·5	81·5	81·4	81·0	80·6	80·6
	19	82·8	82·6	81·7	82·3	82·5	82·5	82·5	82·4	82·4	82·6	82·3	82·3
	20	83·6	83·4	82·5	83·2	83·2	83·0	82·8	82·7	82·4	81·9	81·7	81·5
	21												
	22	84·0	83·7	83·2	83·7	83·9	84·3	84·0	83·8	83·5	83·0	82·4	82·3
	23	86·7	86·7	85·7	86·7	86·7	86·5	87·2	87·2	86·7	85·6	84·8	84·5
	24	87·9	89·2	86·1	86·6	86·5	86·3	86·5	86·5	85·8	85·5	85·4	85·7
	25	87·5	86·7	85·7	86·5	86·5	86·5	86·7	86·6	86·5	85·4	85·3	85·4
	26	87·4	87·3	85·8	86·5	86·7	86·5	86·3	86·5	86·5	86·0	85·8	85·0
	27	87·0	86·2	85·2	86·0	86·2	86·3	85·8	85·5	85·5	85·0	84·5	84·4
	28												
	29	84·3	84·3	83·7	84·3	84·3	84·0	84·0	83·6	83·9	83·7	83·3	83·0
	30	85·0	85·2	84·0	84·7	84·8	84·5	84·5	84·5	84·7	84·4	84·1	84·0
	31	86·3	86·2	85·2	85·3	85·3	85·0	84·7	84·7	84·6	85·0	84·5	84·0

VERTICAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
MARCH, 1846.	1												
	2	+0·23·60	+0·11·40	+0·08·90	-0·09·85	-0·35·00	-1·19·55	-2·15·05	-2·11·60	-1·37·75	-0·15·20	+0·33·10	+1·04·80
	3	+0·04·70	-0·07·70	-0·13·20	-0·07·60	+0·10·10	-0·22·25	-1·22·50	-1·28·90	-0·30·35	-0·05·10	+0·14·40	+0·36·50
	4	-0·09·40	+1·04·75	+1·09·05	+0·26·10	+0·30·60	-0·05·75	-0·32·85	-0·35·60	-0·25·60	-0·02·70	+0·23·70	+0·40·10
	5	+1·09·20	+0·43·05	+1·42·40	+0·35·55	+0·16·95	-0·38·30	-1·16·65	-1·24·30	-1·07·55	+0·06·15	+0·28·60	+0·44·70
	6	-1·12·80	-1·13·25	-0·00·45	+0·07·10	-0·23·10	-1·18·15	-2·08·00	-2·09·65	-1·29·95	-0·12·60	+0·44·60	+1·05·60
	7												
	8	-0·15·70	-1·00·90	-0·33·15	-0·24·40	-1·14·35	-2·01·90	-2·12·30	-2·14·00	-2·04·20	-0·21·70	+0·29·50	+1·15·90
	9	-0·12·40	-0·17·90	-0·15·25	-0·13·30	-1·12·00	-2·03·75	-1·43·15	-1·10·00	-0·31·45	+0·03·00	+0·37·90	+1·07·00
	10	-1·01·05	-0·10·80	+0·36·85	-0·32·50	-1·27·80	-1·45·60	-1·49·50	-2·02·80	-1·25·10	-0·19·60	+0·29·90	+0·45·40
	11	-0·06·00	-1·20·85	-0·41·15	-0·28·50	-1·09·85	-1·48·60	-3·10·60	-2·35·19	-1·46·65	-0·39·40	+0·23·90	+1·07·20
	12	+0·16·60	+0·11·20	-0·12·15	-0·23·45	-1·00·20	-1·21·00	-1·35·90	-2·05·02	-1·11·20	+0·06·70	+0·41·30	+0·30·70
	13	+0·21·20	+0·48·95	+1·09·20	-0·06·60	-0·34·75	-1·07·50	-1·30·45	-1·30·45	-1·23·00	+0·16·50	+0·44·10	+0·49·70
	14												
	15	-0·40·70	-0·25·80	-0·28·70	-0·27·45	-1·03·60	-1·37.75	-1·35·90	-2·09·80	-1·48·55	-0·43·40	+0·09·50	+0·24·65
	16	+0·31·80	-0·06·00	+0·29·30	-0·15·10	-0·31·45	-0·39·75	-1·27·70	-1·27·60	-0·43·15	+0·17·80	+1·34·80	+1·15·60
	17	+0·32·60	-0·16·75	-0·12·70	-0·05·40	-0·21·70	-0·27·00	-2·16·00	-3·05·60	-2·14·70	-1·13·70	-0·06·90	+0·16·30
	18	+0·09·90	+0·27·20	+0·42·45	+0·22·15	+0·00·05	-0·21·90	-1·25·05	-3·14·75	-2·43·30	-1·18·80	+0·18·50	+1·09·60
	19	+0·08·90	+0·00·55	-0·46·70	+0·09·60	-0·15·10	-0·43·90	-1·09·25	-1·36·65	-1·22·25	-0·41·30	+0·21·70	+1·08·10
	20	-0·21·80	-0·26·00	-0·14·85	-0·14·85	-0·26·30	-1·17·75	-1·21·75	-2·21·00	-1·44·50	-0·42·50	-0·02·60	+0·23·40
	21												
	22	+0·21·10	+0·09·65	-0·14·75	+0·05·00	-0·03·55	-0·22·00	-1·10·75	-1·20·60	-1·28·90	-0·20·90	+0·29·25	+1·14·60
	23	+0·45·70	+0·36·60	+0·45·75	+0·46·55	-0·19·80	-0·11·40	-0·26·10	-1·38·40	-2·06·50	-1·36·30	-0·16·90	+0·13·10
	24	+0·31·90	+0·18·60	+0·21·15	+1·01·90	+1·11·60	+0·33·60	-0·22·10	-1·13·65	-1·45·10	-0·31·10	+0·45·90	+2·00·95
	25	+0·45·65	+1·04·10	+1·08·00	+1·06·85	+1·19·30	+1·30·80	-0·18·80	-0·13·25	-0·39·65	-0·21·20	+0·47·50	+2·16·00
	26	+0·37·80	+0·32·60	+0·19·50	+0·15·75	-0·04·65	-0·20·10	-1·08·40	-2·23·25	-1·41·15	-0·37·00	+0·36·40	+1·25·90
	27	+0·37·50	+1·27·67	+0·30·05	+0·32·70	+0·26·60	+0·00·25	-0·37·50	-1·19·40	-1·49·70	-1·13·60	-0·27·70	+0·08·80
	28												
	29	-0·23·90	-0·34·90	-0·22·00	+0·21·35	+0·00·25	+0·07·90	-0·17·35	-1·02·50	-1·21·15	-1·08·70	-0·04·50	+0·20·10
	30	-0·24·50	-0·28·50	-0·22·45	-0·06·60	-0·48·90	-1·19·15	-2·06·55	-1·27·60	-1·28·50	-0·18·10	+0·40·70	+1·31·20
	31	-0·17·80	+0·29·20	+0·23·75	+1·26·70	+0·25·10	+0·09·00	-0·42·80	-1·13·20	-0·34·40	+0·27·00	+1·41·60	+2·19·80

THERMOMETER OF VERTICAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
MARCH, 1846.	1												
	2	81°·8	81°·4	81°·2	79°·0	79°·0	79°·9	80°·9	81°·5	81°·6	82°·4	83°·4	84°·0
	3	82·3	81·8	81·8	80·5	80·0	80·5	81·2	81·5	82·0	82·5	83·0	83·7
	4	82·8	82·2	82·0	80.3	80·0	80·5	81·1	81·7	82·2	82·8	83·4	83·8
	5	82·4	81·7	80·6	79·0	79·0	79·7	80·5	81·3	82·0	82·5	83·2	83·5
	6	82·5	82·0	81·6	79·5	79·5	80·0	80·5	81·5	82·5	83·4	84·1	84·5
	7												
	8	81·8	81·4	81·7	79·5	79·5	80·5	81·0	81·6	82·2	82·9	83·6	84·1
	9	82·3	82·0	81·8	79·5	79·2	80·2	80·6	81·3	82·0	82·9	83·8	84·4
	10	83·1	82·5	82·0	79·9	80·3	81·2	82·3	83·1	83·4	83·8	84·2	84·3
	11	82·7	82·0	81·2	79·5	79·5	80·5	81·5	81·6	82·3	83·0	83·8	84·4
	12	82·6	81·9	81·7	79·9	79·8	80·5	81·3	81·6	82·2	82·9	83·4	83·9
	13	81·8	81·8	81·4	79·7	79·5	80·0	80·5	80·9	81·4	81·8	82·3	82·5
	14												
	15	80·5	80·3	80·3	77·7	77·4	78·0	79·5	81·0	82·5	83·2	83·8	83·4
	16	81·7	81·7	81·4	79·2	79·1	79·7	80·5	81·2	82·0	82·7	83·0	83·5
	17	80·7	80·7	80·3	78·2	78·2	78·8	79·4	80·3	80·5	81·3	81·9	82·5
	18	80·9	80·7	80·7	78·4	77·9	78·5	79·5	80·0	80·5	81·2	81·9	82·5
	19	81·8	81·4	80·7	78·9	79·0	79·5	80·4	81·2	81·5	82·3	82·8	83·4
	20	81·5	81·3	80·8	78·7	78·7	79·4	80·5	81·2	81·5	82·2	82·8	83·5
	21												
	22	82·3	81·7	80·2	78·9	79·2	80·5	81·7	83·0	84·0	85·0	85·7	86·2
	23	83·8	83·5	82·3	81·5	82·2	83·8	85·4	86·3	86·7	87·4	87·8	88·0
	24	85·8	85·5	84·4	82·8	82·8	83·3	84·3	85·2	85·6	86·3	87·0	87·5
	25	85·5	85·2	84·2	83·0	83·0	83·7	84·6	85·2	85·5	86·1	86·6	87·3
	26	85·0	84·7	83·2	82·4	82·8	83·3	84·2	85·0	85·7	85·9	86·7	87·2
	27	84·3	84·2	82·5	82·0	82·2	82·5	83·0	83·5	84·0	84·5	85·4	85·8
	28												
	29	82·9	82·9	81·2	80·2	80·5	81·0	82·0	82·8	83·3	83·8	84·3	84·5
	30	83·4	83·4	81·8	81·2	81·4	82·0	82·5	83·2	84·0	84·5	85·3	85·9
	31	84·3	84·2	82·2	81·9	81·8	82·0	82·5	83·0	83·5	84·4	84·9	85·5

VERTICAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
APRIL, 1846.	1	+1·33·20	+0·33·80	–0·14·40	+0·06·40	+0·32·90	+0·32·90	+0·48·00	+0·22·50	+0·22·50	+0·22·50	+0·29·00	+0·11·60
	2	+0·38·70	+0·39·45	+0·26·00	+0·24·60	+0·31·20	+0·35·50	+0·39·30	+0·47·60	+1·02·40	+0·27·15	+0·30·10	+0·35·10
	3	+0·47·80	+0·29·00	–0·01·00	–0·01·00	+0·19·80	+0·00·20	+0·00·20	+0·00·20	–0·05·00	+0·04·30	+0·21·00	+0·20·70
	4												
	5	+0·32·85	+0·04·70	–0·05·95	–0·22·55	–0·39·10	–0·40·50	–0·32·50	–0·18·60	–0·27·75	–0·29·90	–0·39·30	–1·02·70
	6	+0·11·80	–0·06·30	–0·10·85	–0·10·60	+0·07·10	+0·09·45	+0·24·05	+0·24·90	+0·11·70	+0·22·00	+0·10·00	+0·18·20
	7	+1·01·80	+0·31·45	+0·12·80	–0·00·75	–0·00·75	–0·12·80	–1·05·55	–0·36·85	–0·29·30	–0·13·20	–0·16·85	–0·22·32
	8	+0·07·10	–0·07·90	+0·04·20	–0·30·25	–0·18·75	–0·15·60	–0·15·60	–0·15·60	–0·20·40	–0·33·55	–0·12·50	–0·03·90
	9	+0·40·80	+0·05·70	–0·10·55	–0·22·20	–0·16·05	–0·12·90	–0·02·55	+0·07·15	+0·42·90	+0·19·00	–0·25·80	–0·20·90
	10	—	—	+2·05·05	+2·13·90	+2·18·65	+2·42·05	+2·33·20	+3·20·25	+3·06·20	+2·48·00	+2·34·00	+3·06·10
	11												
	12	+3·33·00	+2·05·00	+2·00·00	+2·18·30	+2·40·65	+3·00·00	+3·02·85	+2·35·40	+2·47·20	+3·01·75	+3·01·70	+3·14·50
	13	+3·11·70	+2·34·00	+2·31·75	+2·24·85	+2·08·05	+2·23·35	+2·18·50	+2·17·90	+2·14·65	+2·42·50	+2·29·00	+2·47·00
	14	+3·02·00	+2·41·70	+2·15·85	+2·07·95	+2·16·95	+2·11·05	+2·40·50	+2·35·50	+2·20·10	+2·13·80	+2·38·10	+2·44·70
	15	+2·12·40	+2·14·45	+2·22·20	+2·16·80	+2·16·80	+2·24·75	+2·28·60	+2·40·00	+2·40·00	+2·29·60	+2·20·80	+1·31·60
	16	+2·15·70	+2·06·90	+2·29·90	+2·39·45	+3·19·15	+3·12·35	+3·30·35	+3·24·30	+3·17·75	+3·17·75	+2·48·80	+3·23·20
	17	+2·41·00	+2·34·40	+2·32·35	+2·33·05	+2·36·10	+2·39·10	+3·20·40	+3·14·30	+3·05·95	+3·15·10	+3·15·10	+3·05·60
	18												
	19	+2·36·20	+2·07·00	+2·01·50	+2·05·45	+2·18·15	+2·10·55	+2·17·85	+2·25·15	+2·25·15	+2·43·90	+3·09·50	+3·12·20
	20	+2·07·10	+1·47·40	+1·47·40	+2·19·30	+2·31·20	+2·42·45	+2·26·00	+2·33·20	+2·33·20	+2·33·20	+2·27·80	+2·19·10
	21	+2·38·50	+2·21·15	+1·28·25	+2·06·70	+2·11·70	+2·11·70	+2·35·15	+2·38·00	+2·33·75	+2·27·10	+2·43·50	+3·03·30
	22	+2·30·10	+1·47·50	+1·19·90	+2·04·75	+2·28·45	+2·22·75	+2·39·30	+3·04·00	+2·44·20	+3·07·40	+3·10·50	+2·38·60
	23	+2·23·70	+2·21·40	+2·19·10	+2·22·45	+2·10·55	+1·36·75	+2·25·65	+1·47·50	+2·00·25	+1·30·40	+2·03·00	+2·11·70
	24	+2·31·55	+2·21·10	+2·00·15	+1·46·55	+2·14·10	+2·16·05	+2·31·30	+2·43·53	+3·00·95	+2·29·10	+2·29·10	+2·29·10
	25												
	26	+1·48·95	+1·34·90	+1·29·90	+1·47·40	+2·36·80	+2·16·05	+2·09·35	+2·09·35	+1·45·60	+1·33·20	+1·33·20	+1·47·20
	27	+1·43·20	+1·32·65	+1·25·50	+1·25·50	+1·25·50	+1·25·50	+1·25·50	+1·12·75	+1·39·40	+1·34·20	+1·34·20	+1·28·40
	28	+1·32·80	+1·32·80	+1·31·95	+1·35·05	+1·35·05	+1·37·10	+1·37·10	+1·23·20	+1·31·95	+1·36·40	+1·36·40	+1·36·40
	29	+1·38·00	+2·03·90	+1·38·65	+1·29·20	+1·32·45	+1·37·40	+1·37·40	+1·30·00	+1·33·65	+1·44·40	+1·44·40	+1·39·40
	30	+1·32·30	+1·25·00	+1·31·65	+1·34·35	+1·38·35	+1·38·35	+1·42·20	+1·35·85	+1·30·85	+1·29·10	+1·42·60	+2·00·80
	31												

THERMOMETER OF VERTICAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
APRIL, 1846.	1	86°·4	85°·7	84°·5	85°·2	85°·2	85°·0	85°·0	85°·0	85°·0	84°·5	84°·4	84°·4
	2	85·2	84·7	83·8	84·3	84·8	84·5	84·5	84·9	84·9	85·0	84·7	84·4
	3	86·0	85·8	84·8	85·3	85·7	85·2	85·2	85·2	85·2	84·7	84·5	84·4
	4												
	5	86·2	86·2	85·3	85·8	86·2	86·0	85·3	85·0	85·0	84·9	84·5	84·3
	6	86·6	85·8	84·8	85·2	85·2	85·0	85·0	84·9	84·5	84·8	83·9	83·8
	7	85·9	85·3	84·7	85·2	85·3	85·5	86·0	86·5	85·5	85·0	84·7	84·8
	8	87·1	86·7	85·3	85·8	85·8	85·5	85·3	85·1	85·0	84·8	84·4	84·0
	9	86·5	86·2	85·2	85·8	86·2	86·2	86·5	86·5	86·5	85·5	85·0	85·0
	10	—	—	85·0	85·8	85·9	86·0	86·4	85·5	85·5	85·3	84·9	84·8
	11												
	12	85·8	86·5	85·2	86·2	86·2	86·0	86·0	85·6	85·3	85·3	85·0	85·0
	13	87·1	86·8	86·2	87·2	87·3	87·0	86·5	86·1	86·5	86·0	85·9	85·8
	14	86·9	86·2	85·5	86·3	86·8	86·6	86·5	87·0	86·5	86·0	85·5	85·4
	15	87·3	86·6	85·8	86·2	86·7	86·3	86·0	85·6	85·5	85·5	85·4	85·3
	16	88·3	88·0	86·8	87·2	87·2	87·0	86·5	86·0	86·0	85·9	85·4	85·4
	17	87·9	87·8	86·8	87·0	87·0	87·0	87·0	86·6	86·0	85·5	85·1	85·3
	18												
	19	87·8	87·5	86·5	86·8	86·8	86·5	86·5	86·2	86·0	85·8	85·2	85·0
	20	87·8	87·0	86·0	86·5	86·8	86·5	86·5	86·0	85·6	85·0	84·8	84·9
	21	88·0	87·7	86·2	87·2	87·2	87·0	86·5	86·5	86·5	85·6	85·0	84·5
	22	89·5	88·9	88·0	88·8	88·7	89·5	89·0	88·8	88·7	88·4	87·5	86·9
	23	90·1	88·2	89·3	89·3	89·8	90·0	89·5	89·5	89·5	89·5	88·6	88·0
	24	90·7	90·2	89·4	89·6	89·8	90·0	90·3	90·1	90·0	89·5	89·4	89·0
	25												
	26	90·2	90·3	89·5	89·8	89·5	89·5	89·5	89·5	89·5	89·0	88·5	88·4
	27	91·4	91·2	89·7	89·8	90·2	90·0	90·0	89·7	89·0	88·0	87·9	87·9
	28	91·1	90·5	89·7	89·8	90·7	90·5	90·7	90·5	90·0	89·3	88·5	88·0
	29	90·0	90·7	88·7	89·0	89·2	89·3	89·2	89·0	89·0	88·3	87·9	87·5
	30	90·1	89·6	88·3	88·3	88·8	89·0	89·3	89·2	89·5	89·3	88·5	88·3
	31												

VERTICAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
APRIL, 1846.	1	+0·46·60	+0·38·65	+0·37·40	+1·12·45	+0·47·05	+0·15·60	−0·26·15	−1·29·85	−1·42·45	−1·05·60	−0·01·50	+0·32·00
	2	+0·39·40	−0·06·32	+0·12·65	+0·34·90	+0·30·80	+0·35·00	+1·13·15	−0·30·20	−1·26·85	−0·30·60	+0·13·90	+0·46·70
	3	−0·13·90	−0·28·25	−0·04·00	+0·10·90	−0·19·65	−0·31·00	−1·39·45	−2·01·85	−2·06·15	−0·20·30	+0·33·10	+1·01·80
	4												
	5	−0·34·40	−1·18·70	−0·14·20	+0·18·40	+0·00·40	−0·02·90	−0·17·15	−0·17·15	−0·08·35	−0·15·90	−0·17·50	+0·09·10
	6	+0·22·80	+0·14·95	+0·14·60	−0·03·15	−0·13·90	—	−1·15·60	−2·15·70	−2·07·00	−1·18·20	−0·05·80	+0·35·20
	7	−0·24·20	−0·28·10	−0·01·85	+0·00·30	−0·31·25	−1·20·20	−2·02·35	−2·11·40	−1·37·15	−0·31·50	+0·04·90	+0·28·20
	8	−0·25·30	−0·38·80	+0·14·65	+0·31·00	−0·01·25	−0·46·30	−1·34·65	−1·39·70	−1·44·65	−0·27·00	+0·28·00	+1·12·30
	9	−0·10·40	−0·20·40	+0·02·10	−0·09·55	−1·00·45	−0·21·75	−3·26·40	−3·26·40	−2·48·15	—	—	—
	10	+2·23·90	+2·29·25	+3·14·60	+3·04·75	+2·26·10	+2·09·35	+1·22·20	+0·48·30	+1·19·40	+2·00·80	+2·32·10	+3·01·00
	11												
	12	+3·14·50	+3·23·85	+3·38·90	+3·37·00	+3·07·35	+1·42·40	+0·30·45	+0·25·75	+1·07·50	+1·29·60	+2·24·20	+3·00·00
	13	+2·39·20	+2·39·20	+3·23·30	+3·36·45	+2·36·75	+1·46·65	+1·28·10	+1·07·20	+1·03·85	+1·23·00	+2·09·00	+2·43·30
	14	+2·32·70	+2·16·75	+3·07·00	+3·07·00	+2·09·55	+1·22·95	+0·35·00	+0·29·90	+0·22·25	+0·18·20	+1·30·90	+2·05·90
	15	+2·04·10	+2·16·80	+3·05·60	+3·09·90	+2·02·70	+1·36·75	+1·01·35	+0·37·05	+0·35·30	+0·49·70	+1·25·30	+1·45·80
	16	+2·44·20	+3·09·05	+2·47·90	+3·09·60	+2·20·55	+1·48·90	+1·19·90	+1·00·85	+1·00·85	+1·11·60	+2·06·60	+2·33·20
	17	+3·05·60	+3·00·95	+2·47·05	+3·09·85	+2·28·60	+1·32·10	+1·07·25	+0·29·55	+0·29·55	+1·03·10	+2·01·00	+2·12·70
	18												
	19	+3·00·90	+2·49·00	+3·28·30	+3·42·25	+2·24·00	+1·07·20	+0·17·85	−0·01·30	+0·40·30	+1·47·90	+2·15·20	+2·07·90
	20	+2·01·35	+2·09·50	+3·07·55	+3·05·20	+2·11·00	+0·46·60	−0·37·00	−1·03·30	−0·02·55	+1·15·20	+2·05·30	+2·27·60
	21	+2·44·60	+2·41·05	+3·28·50	+3·21·30	+2·15·40	+1·29·45	+0·33·15	−0·02·20	+1·07·35	+1·20·10	+1·34·60	+2·07·10
	22	+2·47·20	+3·48·70	+3·43·45	+2·39·75	+1·02·00	−0·20·10	−0·33·90	−0·23·60	+0·12·25	+0·38·50	+1·36·80	+2·07·10
	23	+2·04·10	+2·30·95	+3·27·25	+3·29·40	+2·24·40	+1·04·40	+0·35·65	+0·17·20	+0·17·20	+1·21·40	+2·05·10	+2·36·20
	24	+2·33·60	+2·25·80	+3·10·45	+3·23·90	+2·13·35	−0·13·40	−0·43·30	−0·29·30	+0·06·70	+1·36·50	+1·28·45	+1·42·00
	25												
	26	+2·04·40	+2·04·40	+2·30·75	+2·26·65	+2·07·75	+1·17·40	+0·08·35	−0·14·05	−0·25·00	+0·32·50	+1·28·10	+1·35·80
	27	+1·25·30	+1·18·10	+1·40·30	+1·34·40	+1·23·50	+0·45·25	+0·20·00	+0·26·10	+0·49·45	+1·18·70	+1·18·70	+1·25·80
	28	+1·36·40	+1·32·50	+1·45·00	+1·49·45	+1·30·70	+1·08·15	+0·39·70	+0·27·50	+0·36·40	+1·19·00	+1·28·20	+1·25·20
	29	+1·34·20	+1·27·85	+1·42·60	+1·49·80	+1·46·45	+1·26·80	+1·21·50	+1·18·65	+0·41·35	+1·12·70	+1·24·50	+1·32·80
	30	+1·36·90	+1·37·90	+1·49·70	+2·04·40	+2·01·25	+1·37·85	+1·14·45	+1·19·40	+0·19·10	+0·32·00	+1·22·20	+1·31·50
	31												

THERMOMETER OF VERTICAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
APRIL, 1846.	1	83°·8	83°·3	81°·7	81°·3	81°·6	82°·3	82°·3	82°·6	83°·0	83°·8	84°·4	85°·0
	2	84·0	83·9	82·3	81·7	81·8	82·5	83·5	84·0	84·6	85·4	86·2	86·3
	3	84·0	83·6	82·4	81·8	81·8	82·5	83·5	83·6	84·1	84·5	85·3	85·8
	4												
	5	83·5	83·2	82·0	81·7	82·2	83·0	83·5	84·1	84·8	85·4	85·9	86·3
	6	83·4	83·2	81·8	81·4	81·8	82·5	83·5	83·8	84·4	84·9	85·3	85·9
	7	84·0	83·9	82·5	82·0	82·4	83·5	84·2	84·5	85·0	85·8	86·3	86·9
	8	83·9	83·7	81·8	81·6	82·0	82·5	83·0	83·5	84·4	85·0	85·9	86·2
	9	85·4	85·3	83·2	82·8	83·0	83·5	84·5	84·5	84·8	85·6	86·0	86·4
	10	84·4	84·2	82·8	82·2	82·7	83·2	83·8	84·0	84·5	85·1	85·5	85·8
	11												
	12	84·4	83·8	83·3	82·5	82·8	83·5	83·4	84·7	85·2	86·0	86·1	86·6
	13	86·0	86·2	84·3	83·8	84·3	84·6	85·0	85·2	86·0	86·5	87·0	87·3
	14	85·0	84·8	83·3	83·2	83·7	84·0	84·5	85·0	85·2	85·9	86·4	86·9
	15	84·9	84·3	82·9	82·6	83·2	84·2	85·0	85·5	86·0	86·9	87·4	88·0
	16	85·5	85·3	83·8	83·2	83·8	84·0	84·4	85·0	85·5	86·4	87·3	87·6
	17	85·1	84·8	83·2	83·2	83·8	83·9	84·4	84·8	85·5	86·2	86·9	87·5
	18												
	19	84·9	84·8	83·4	83·4	84·2	84·6	85·5	86·0	86·0	86·9	87·3	87·8
	20	84·7	84·2	82·5	82·2	82·5	83·5	84·7	85·3	86·0	86·5	87·1	87·5
	21	84·5	84·2	82·2	81·9	82·5	83·5	84·4	85·0	86·0	86·6	87·5	88·4
	22	86·5	86·5	85·4	84·8	85·2	86·0	87·0	87·3	87·5	88·4	89·5	90·3
	23	87·8	87·8	86·2	85·8	87·0	88·0	89·0	89·0	88·9	89·5	89·8	90·8
	24	88·4	88·2	86·7	86·7	87·2	87·6	88·0	88·5	88·9	89·5	89·9	90·4
	25												
	26	88·0	88·2	86·5	86·3	87·0	88·0	88·5	89·0	89·5	90·0	90·4	91·1
	27	87·8	87·6	85·7	85·7	86·2	87·5	88·6	88·7	89·0	89·9	90·8	91·3
	28	87·5	87·7	85·8	85·7	86·0	86·2	86·5	87·0	87·6	88·4	89·1	89·7
	29	87·4	87·3	85·2	85·2	85·7	86·0	86·5	87·5	88·0	88·8	89·7	90·0
	30	88·0	87·8	86·0	85·8	86·3	86·6	87·5	88·0	88·5	89·2	89·7	89·9
	31												

Date. Göttingen Mean Time.		VERTICAL FORCE MAGNETOMETER.											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
MAY, 1846.	1	+1·37·10	+1·43·95	+1·33·60	+1·28·80	+1·34·25	+1·39·35	+1·39·35	+1·42·50	+1·46·20	+1·49·60	+1·41·90	+1·46·90
	2												
	3	+1·30·15	+1·21·75	+1·32·20	+1·29·75	+1·30·30	+1·30·20	+1·26·65	+1·26·65	+1·39·45	+1·40·00	+1·48·30	+1·48·30
	4	+1·32·10	+1·28·05	+1·31·05	+1·46·20	+1·46·20	+2·07·30	+2·16·30	+2·21·00	+2·11·55	+2·05·10	+1·42·80	+2·03·50
	5	+2·23·30	+2·00·60	+1·48·60	+1·40·85	+1·37·15	+1·39·75	+1·46·00	+1·49·00	+2·08·20	+2·21·10	+2·24·40	+2·18·90
	6	+1·38·90	+1·30·00	+1·30·00	+1·35·90	+1·22·85	+1·31·05	+1·27·35	+1·27·35	+1·21·20	+1·29·80	+1·33·00	+1·36·00
	7	+2·05·70	+1·42·00	+1·16·15	+1·42·60	+1·27·80	+1·43·25	+1·35·60	+1·36·35	+1·18·45	+1·37·00	+1·42·80	+1·42·80
	8	+2·01·30	+1·38·55	+1·35·00	+1·41·45	+1·44·05	+1·44·05	+2·05·45	+2·05·45	+0·39·05	+2·04·00	+2·07·00	+2·01·80
	9												
	10	+1·43·35	+1·41·50	+1·24·95	+2·00·15	+1·43·35	+1·43·35	+2·00·65	+2·00·65	+1·46·75	+1·46·70	+1·46·70	+1·46·70
	11	+1·33·70	+1·36·15	+1·27·10	+1·34·50	+1·38·90	+1·42·20	+1·42·20	+1·42·20	+1·44·70	+1·44·70	+1·44·70	+1·44·70
	12	+1·29·80	+1·21·60	+1·17·80	+1·15·70	+2·07·40	+2·13·15	+1·46·30	+1·46·30	+0·37·00	+1·36·00	+2·00·50	+2·12·90
	13	+1·45·30	+2·07·05	+1·47·20	+2·05·40	+2·14·50	+2·20·05	+2·22·50	+2·29·15	+2·29·15	+2·13·65	+2·17·60	+2·13·90
	14	+1·35·30	+1·41·00	+1·32·70	+1·33·55	+1·22·20	+1·31·85	+1·41·00	+1·41·00	+1·41·00	+1·35·70	+1·46·90	+2·02·20
	15	+1·29·20	+1·31·10	+1·31·10	+1·31·10	+1·34·30	+1·34·30	+1·34·30	+1·37·20	+1·37·20	+1·37·20	+1·37·20	+1·37·20
	16												
	17	+1·25·55	+1·24·10	+1·24·10	+1·29·50	+1·31·25	+1·39·10	+1·41·30	+1·41·30	+1·43·05	+1·43·05	+1·43·05	+1·47·15
	18	+1·42·60	+1·36·90	+1·36·90	+1·39·30	+1·47·00	+1·47·00	+1·45·15	+1·45·15	+1·45·15	+1·45·15	+1·33·30	+1·33·30
	19	+1·21·80	+1·23·80	+1·21·90	+1·22·85	+1·25·10	+1·25·10	+1·25·10	+1·25·10	+1·25·10	+1·25·10	+1·25·10	+1·25·10
	20	+1·18·85	+1·20·65	+1·21·90	+1·21·90	+1·23·50	+1·24·60	+1·24·60	+1·24·60	+1·24·60	+1·24·65	+1·24·60	+1·24·60
	21	+1·20·40	+1·20·40	+1·20·40	+1·20·40	+1·20·40	+1·20·40	+1·20·40	+1·20·40	+1·20·40	+1·24·40	+1·24·40	+1·24·40
	22	—	+2·42·50	+2·18·50	+2·14·40	+2·22·30	+2·33·35	+2·41·90	+2·37·55	+2·44·05	+2·10·50	+2·01·60	+2·08·20
	23												
	24	+2·26·50	+2·06·15	+1·18·50	+1·18·50	+1·45·00	+2·06·00	+2·08·35	+2·08·35	+2·04·55	+1·31·30	+1·22·10	+1·13·90
	25	+1·23·80	+1·11·75	+1·23·60	+1·41·45	+1·33·15	+1·05·25	+1·13·50	+1·26·40	+1·41·30	+2·05·70	+1·38·70	+1·22·40
	26	+2·39·30	+2·06·75	+1·38·95	+1·16·00	+1·36·55	+1·33·10	+1·46·00	+2·21·55	+2·23·40	+2·48·80	+2·37·10	+2·30·50
	27	+2·32·10	+2·16·10	+1·31·75	+1·07·75	+1·14·90	+0·45·85	+1·12·10	+1·09·45	+0·32·00	+1·23·10	+1·47·00	+1·40·60
	28	+1·29·70	+1·13·20	+1·13·20	+1·13·20	+1·29·30	*–5·49·10	†+1·31·75	+1·12·15	+1·18·95	+1·34·60	+1·20·50	+1·20·50
	29	–1·17·70	–1·13·60	–2·22·75	–2·22·75	–2·02·05	–2·01·15	–2·00·75	–2·33·05	–1·45·80	–2·03·20	–1·30·50	–1·38·80
	30	–3·36·20	–3·38·65	–3·20·35	–2·48·70	–2·35·05	–3·37·45	–3·31·70	–3·19·90	–3·19·90	–3·06·50	–2·30·00	–2·35·50
	31												

Date. Göttingen Mean Time.		THERMOMETER OF VERTICAL FORCE MAGNETOMETER.											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
MAY, 1846.	1	90°·1	90°·3	88°·8	88°·8	89°·3	89°·3	89°·0	89°·2	89°·5	89°·4	88°·9	88°·0
	2												
	3	90·8	90·7	89·7	89·7	89·8	89·5	89·5	89·2	89·0	88·5	88·0	87·9
	4	91·3	90·8	89·7	89·8	90·2	90·0	90·0	89·9	89·5	89·4	88·5	88·0
	5	92·1	90·8	89·7	89·4	89·8	89·6	89·5	89·5	88·6	87·9	87·3	87·0
	6	91·4	91·2	89·9	90·1	90·5	90·0	90·0	89·5	89·2	88·4	88·0	87·8
	7	89·9	89·3	88·5	88·5	89·2	89·2	89·0	88·5	88·5	87·9	87·5	87·4
	8	90·8	89·8	88·7	89·3	89·3	89·0	88·9	88·0	87·6	87·5	87·3	87·3
	9												
	10	89·7	89·4	88·7	89·2	89·4	89·5	89·4	89·3	88·5	88·0	88·0	88·4
	11	90·2	89·5	88·7	89·2	89·4	89·3	89·2	89·0	89·0	88·5	88·0	88·0
	12	90·6	90·0	88·7	89·1	89·2	89·3	90·0	90·5	90·5	89·7	89·3	89·4
	13	91·4	90·8	90·2	90·8	91·2	91·2	91·2	91·0	91·0	89·9	89·4	89·5
	14	91·0	90·8	89·8	90·2	90·8	91·0	91·0	90·4	90·3	89·5	89·0	88·5
	15	89·7	89·9	88·6	89·0	89·5	89·5	89·0	88·5	88·5	88·4	88·0	87·9
	16												
	17	92·0	91·4	90·0	90·3	90·7	90·5	90·6	90·6	89·5	89·0	89·0	88·9
	18	92·3	91·2	90·5	90·2	90·5	90·5	90·3	89·8	89·5	89·3	89·3	89·5
	19	91·3	91·2	90·3	90·5	90·5	90·0	90·0	90·0	90·0	89·5	89·0	89·0
	20	91·6	90·8	89·8	89·9	90·2	89·5	89·4	89·0	89·0	88·9	88·8	88·8
	21	91·4	90·8	90·0	90·0	90·4	90·3	90·2	90·8	89·8	89·5	89·2	89·3
	22	—	91·5	90·5	90·7	90·8	90·5	90·5	90·0	90·0	89·8	89·5	89·5
	23												
	24	91·3	91·2	90·3	90·4	90·8	90·5	90·0	90·0	89·9	89·8	89·5	89·4
	25	92·7	92·0	90·5	90·3	90·7	90·5	90·5	90·2	90·0	89·5	89·0	89·0
	26	91·6	90·8	90·5	90·1	90·3	90·3	90·2	89·6	89·5	89·4	89·3	89·0
	27	91·6	91·0	90·0	90·3	90·7	90·5	90·5	91·0	90·5	89·9	89·4	89·0
	28	93·0	92·7	91·3	91·3	91·3	91·0	91·0	90·5	90·0	89·6	89·5	89·4
	29	92·9	92·7	91·7	91·2	91·2	91·0	90·8	90·5	90·0	89·8	89·5	89·5
	30	92·6	92·2	91·2	91·5	92·2	91·5	91·5	91·0	90·5	90·4	90·4	90·0
	31												

* Most probably a Cobweb on the instrument.

† The Magnet was freed from it by producing a Vibration.

VERTICAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
MAY, 1846.	1	+1·48·70	+2·04·00	+2·01·45	+2·09·20	+2·01·50	+1·43·80	+1·29·85	+0·28·15	+1·04·60	+0·25·50	+1·12·50	+1·32·60
	2												
	3	+2·05·60	+2·07·60	+2·05·30	+2·01·25	+1·40·90	+1·24·00	+0·38·90	+0·46·20	+0·42·55	+1·26·00	+1·42·00	+1·36·40
	4	+2·14·10	+2·04·20	+2·13·55	+2·05·55	+2·00·85	+1·23·90	+0·48·05	+0·14·30	+0·49·55	+1·16·50	+1·30·00	+1·35·40
	5	+2·15·00	+2·20·25	+2·13·45	+2·00·60	+1·39·20	+0·44·10	+1·00·10	+1·00·10	+1·07·70	+1·38·60	+1·38·50	+1·42·60
	6	+1·41·20	+1·40·50	+2·11·80	+2·00·70	+1·41·75	+0·45·10	−0·04·00	+0·46·50	+1·08·00	+1·41·50	+2·13·10	+2 13·10
	7	+1 35·00	+1·42·90	+1·47·60	+1·40·40	+1·31·20	+0·32·90	+0·14·50	+0·13·50	+0·06·20	+1·00·50	+1·40·45	+1·43·80
	8	+2·01·80	+1·43·95	+2·22·80	+2 22·80	+1·34·10	−0·27·40	−1·24·50	+0·24·00	+1·12·50	+1·49·90	+1·49·90	+1·41·90
	9												
	10	+1·46·70	+2·01·70	+2·11·50	+2·01·25	+1·21·60	+0·01·25	+1·18·90	−0·29·85	+0·05·90	+1·03·20	+1·28·50	+1·13·60
	11	+2·00·30	+2·06·25	+2·15·60	+2·00·40	+1·32·25	−0·37·60	−0·42·45	−1·01·85	−1·14·10	−0·41·00	+0·43·20	+1·15·75
	12	+1·44·20	+2 02·85	+2·22·40	+2·19·35	+2·10·00	+1·20·60	+0·37·15	+0·39·10	+1·07·05	+1·36·60	+1·32·90	+1·39·60
	13	+2·13·90	+2·26·00	+2·29·70	+2·07·85	+1·29·00	+0·22·70	−0·02·15	−0·21·50	−0·15·20	+0·12·80	+0·30·80	+0·35·60
	14	+1·47·90	+1·42·35	+2·09·30	+2·09·75	+1·44·60	+1·26·95	+0·35·70	+0·20·90	+0·44·80	+0·44·80	−3·43·30	−3·37·20
	15	+1·37·20	+1·38·20	+1·40·60	+1·41·95	+1·39·55	+1·28·10	+1·21·40	+1·21·55	+1·21·55	+1·21·55	+1·28·20	+1·28·20
	16												
	17	+1·42·60	+1·47·35	+1·42·60	+1·42·60	+1·42·85	+1·39·50	+1·39·50	+1·39·50	+1·39·50	+1·39·50	+1·42·60	+1·42·60
	18	+1·33·30	+1·32·10	+1·30·55	+1·31·75	+1·31·75	+1·21·50	+1·18·45	+1·19·85	+1·20·85	+1·21·80	+1·21·80	+1·21·80
	19	+1·25·10	+1·24·95	+1·28·05	+1·28·05	+1·28·05	+1·21·40	+1·18·85	+1·18·85	+1·18·85	+1·18·85	+1·18·85	+1·18·85
	20	+1·24·60	+1·24·60	+1·24·60	+1·24·60	+1·18·95	+1·18·95	+1·18·95	+1·17·60	+1·17·60	+1·17·60	+1·20·40	+1·20·40
	21	+1·24·40	+1·25·25	+1·25·25	+1·24·00	+1·20·60	+1·16·60	+1·08·40	+1·08·40	+1·10·10	+1·15·60	+1·15·60	—
	22	+2·13·60	+2·42·65	+3·14·40	+2·42·75	+1·32·35	−0·04·90	−0·44·85	−0·13·55	−0·17·35	−1·13·60	+1·40·40	+2·35·50
	23												
	24	+1·13·90	+2·02·35	+2·10·75	+1·44·10	+0·26·10	−2·08·70	−3·18·40	−2·20·30	−0·47·00	+0·05·20	+1·10·80	+1·35·00
	25	+1·24·35	+1·32·80	+2·25·20	+1·43·90	+0·46·80	−0·18·45	−0·46·35	+0·24·40	+1·09·00	+3·06·10	+3·20·10	+3·00·80
	26	+2·25·30	+2·47·80	+2·48·95	+2·29·60	+1·32·85	−0·10·50	−1·20·40	−0·26·65	−0·20·15	+0·20·00	+1·19·10	+2·11·90
	27	+1·45·70	+2·19·30	+2·23·15	+2·11·75	+1·49·65	+0·04·00	−0·49·00	−0·40·20	−0·33·00	+0·26·20	+0·47·05	+1·07·65
	28	+1·20·50	+1·17·80	+1·15·90	+1·10·55	+0·00·55	−2·35·30	−3·47·72	—	−6·29·60	−3·37·10	−2 04·20	−1·22·90
	29	−0·45·20	−0·47·15	−1·16·20	−2·05·50	−3·23·05	−3·35·00	−3·43·80	−3·36·75	−3·47·40	−3·20·20	−3·15·80	−2·43·10
	30	−2·08·00	−2·25·20	−2·12·65	−2·18·80	−3·10·25	−4·25·75	−4·48·50	−5·15·50	−4·36·40	−3·29·60	−3·22·30	−3·20·10
	31												

THERMOMETER OF VERTICAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
MAY, 1846.	1	87°·9	87°·9	86°·2	86°·2	86°·8	87°·5	88°·5	89°·7	89°·5	89°·9	90·2	90°·8
	2												
	3	87·5	87 0	85·8	85·7	86·4	87·0	87·5	88·5	89·0	89·6	90·3	90·9
	4	87·5	87·6	86·0	86·2	86·6	87·5	88·1	88·5	89·0	89·5	90·4	91·1
	5	87·0	87·0	85·5	85·7	86·2	87·5	88·0	88·5	89·0	89·8	90·2	90·9
	6	87·4	87·4	85·8	85·7	86·0	86·0	87·0	87·5	88·0	88·5	89·2	89·6
	7	87·3	87·2	86·0	85·8	86·6	87·2	88·0	88·1	88·5	89·3	89·8	90·1
	8	86·8	86·8	85·5	85·7	86·2	87·0	87·5	87·6	88·0	88·5	89·0	89·5
	9												
	10	87·5	87·5	86·1	86·2	86·6	87·0	87·3	87·8	88·3	89·0	89·6	90·0
	11	88·0	88·2	87 0	87·2	87·9	88·5	89·0	89·0	89·5	90·3	90·6	90·9
	12	89·3	88·8	87·8	87·7	88·2	88·0	88·5	88·9	89·2	89·9	90·4	91·2
	13	89·4	89·2	87·8	86·8	86·8	87·5	88·5	89·0	90·5	90·9	90·5	91·4
	14	88·5	88·8	87·8	87·3	87·4	87·5	87·6	89·0	89·5	89·9	89·3	89·0
	15	87·5	87·2	86·0	86·0	86·5	87·0	87·6	88·5	88·8	89·7	90·3	91·0
	16												
	17	88·8	88·8	87·5	87·3	87·7	88·0	88·2	88·6	89·0	89 6	90·4	91·0
	18	89·0	88·7	87·8	87·6	87·8	88·5	89·0	89·5	90·0	90·5	91·0	91·4
	19	88·9	88·9	87·7	87·2	87·5	88·0	88·5	89·5	90·0	90·4	91·1	91·4
	20	88·5	88·5	87·3	87·3	87·7	88·0	88·5	89·0	89·5	90·7	91·3	91·6
	21	89·3	89·0	87·9	87·8	88·2	88·5	89·5	90·0	90·4	91·2	91·7	92·2
	22	89·3	89·0	88·0	88·0	88·0	88·5	89·2	89·7	90·3	91·0	91·5	92·3
	23												
	24	89·5	89·5	88·1	88·2	88·7	89·5	89·8	90·0	90·5	91·3	92·1	92·5
	25	89·0	89·0	87·8	87·8	88 1	89·0	89·5	90·0	90·3	91·0	91·4	91·5
	26	89·0	89·0	87·5	87·3	87·8	88·4	89·4	90·0	90·3	90·9	91·4	91·7
	27	89·0	89·0	87·5	87·6	87·9	88·6	89·5	90·2	90·6	91·5	92·2	92·9
	28	89·3	89·0	87·7	87·4	88·0	88·5	89·0	90·0	90·5	91·3	92·3	92·8
	29	89·5	89·5	88·1	87·8	88·0	88·6	89·1	99·7	90·5	91·0	91·8	92·4
	30	89·8	89·6	88 5	88·2	88·7	89·5	89·5	90·3	91·0	91·7	92·0	92·7
	31												

VERTICAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
JUNE, 1846.	1	-2·24·65	-3·00·80	-2·47·90	-3·06·30	-3·31·00	-3·08·95	-4.24·40	-3·38·50	-3·04·00	-2·10·60	-2·26·90	-2·26·90
	2	-4·06·50	-3·34·30	-3·15·45	-2·24·55	-2·22·20	-2·25·60	-2·17·40	-1·46·35	-2·20·85	-2·34·60	-2·34·60	-3·28·30
	3	-1·28·50	-2·14·70	-2·29·05	-1·15·00	-1·33·05	-1·05·70	-2·10·70	-2·40·50	-2·41·95	-3·24·50	-2·31·70	-2·31·70
	4	—	—	-2·32·60	-2·29·95	-3·01·80	-2·44·00	-2·28·45	-1·32·40	-3·11·50	-2·11·60	-2·40·75	-2·45·30
	5	—	-1·16·05	-1·23·00	-1·34·90	-1·31·75	-1·06·00	-0·41·35	-1·20·90	-1·09·90	-0·15·30	+0·02·60	-0·06·10
	6												
	7	-0·32·35	-0·43·80	-1·39·05	-1·39·60	-1·33·00	-0·47·55	-0·47·55	-1·22·25	-1·22·25	-1·40·40	-1·31·10	-1·35·00
	8	-1·02·75	-1·35·70	-2·17·40	-2·15·70	-2·16·00	-2·33·70	-2·23·05	-2·23·05	-2·17·85	-1·26·40	-1·16·80	-1·34·40
	9	-1·46·10	-1·48·25	-1·42·80	-2·23·30	-2·29·00	-2·14·20	-2·07·50	-2·10·30	-1·13·75	-1·11·50	-1·27·00	-1·10·60
	10	-2·20·60	-1·37·60	-1·44·30	-1·39·65	-1·28·45	-1·32·25	-1·36·60	-2·10·55	-1·09·45	-1·13·15	-1·22·80	-0·29·30
	11	-1·04·00	-1·13·50	-2·04·60	-1·46·85	-1·37·30	-1·02·70	-0·29·20	-1·14·90	-1·12·50	-1·10·65	-1·38·80	-2·06·10
	12	-0·36·10	-0·37·85	-0·37·85	-0·20·10	—	—	—	—	—	—	—	—
	13												
	14	+0·10·45	+0·31·25	+0·14·85	+0·02·45	+0·48·90	+0·33·40	+0·47·80	+1·17·00	+1·03·75	+1·03·75	+0·47·25	+0·47·20
	15	+0·39·20	+0·21·90	+0·18·35	-0·30·45	+0·13·20	+0·30·50	+0·04·50	+0·31·50	+0·14·90	+0·05·40	+0·25·80	+0·37·30
	16	+0·27·20	+0·11·05	+0·03·45	-0·12.60	-0·17·45	-0.02·00	-0·19·90	-0·19·90	-0·19·90	-0·05·30	+0·14·80	+0·26·40
	17	-0·36·60	-0·25·35	-0·15·00	-0·45·10	-0·46·35	-0·46·35	-0·29·50	-0·07·70	+0·23·00	+0·23·00	+0·13·20	+0·13·20
	18	-0·14·70	+0·10·30	+0·01·00	+0·01·00	+0·11·55	+0·18·15	+0·07·40	+0·12·25	+0·01·75	-0·00·60	-0·20·20	+0·02·60
	19	+0·12·70	+0·12·60	+0·17·55	+0·21·00	+0·37·15	+0·37·15	+1·16·20	+0·45·90	+0·35·65	+1·01·00	+1·01·00	+1·21·00
	20												
	21	+0·31·55	+1·03·45	-0·06·40	-0·42·50	-0·34·60	-0·16·12	-0·24·90	-0·38·60	-0·10·15	-0·03·70	+0·16·20	+0·32·50
	22	+0·32·10	+0·27·50	+0·45·05	-0·12·15	+0·12·35	-0·06·25	-0·15·65	+0·13·00	+0·03·40	+0·11·15	+0·07·70	+0·03·70
	23	+0·45·50	+0·20·00	-0·14·50	-0·22·25	-0·11·50	-0·11·10	-0·11·10	+0·15·85	-0·19·15	-0·19·15	+0·15·80	+1·08·90
	24	+0·29·00	+0·04·60	-0·18·70	-0·49·10	-0·23·10	-0·32·95	-0·42·10	-0·42·10	-0·42·10	-0·42·10	-0·24·40	+0·01·90
	25	+0·27·50	+0·12·50	-0·23·60	-1·13·40	-0·15·50	+0·05·50	-0·06·50	-0·02·00	-0·16·55	-0·07·70	+0·05·70	+0·25·00
	26	-0·47·75	-1·08·20	-1·20·85	-1·33·50	-1·16·45	-0·37·20	-0·29·30	-0·15·15	-0·12·05	+0·12·50	+0·30·50	+0·07·00
	27												
	28	-0·13·15	+0·11·20	-0·24·40	-0·28·25	-0·28·25	-0·01·15	+0·14·75	+0·05·50	+0·28·35	+0·38·00	+0·38·00	+0·31·70
	29	-0·03·00	+0·24·30	+0·10·40	-0·09·50	-0·30·65	-1·01·50	-0·30·25	-0·17·60	-0·07·75	-0·16·00	-0·31·20	+0·49·30
	30	+0·13·70	+0 19·50	+0·04·45	-0·04·35	-0·01·00	-0·23·45	-0·23·45	+0·01·10	+0·31·05	+0·40·20	+0·27·50	+0·27·50
	31												

THERMOMETER OF VERTICAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
JUNE, 1846.	1	93°·0	92°·4	91°·8	91°·7	92°·2	91°·5	91°·0	91°·0	90°·8	90°·4	90°·0	90°·0
	2	89·7	89·2	88·3	88·2	89·2	89·2	89·5	89·5	89·5	88·9	88·3	87·6
	3	91·0	90·5	88·8	88·8	89·3	89·5	90·0	90·0	89·6	88·9	88·4	88·0
	4	—	—	90·0	89·9	90·7	90·5	90·5	90·3	90·0	90·0	89·5	89·4
	5	—	91·2	90·4	90·2	90·7	90·5	90·5	90·5	90·5	90·4	90·0	90·0
	6												
	7	91·8	92·2	91·8	91·4	92·3	92·0	92·2	92·4	92·4	92·0	91·4	91·0
	8	90·5	90·1	89·8	89·5	90·4	90·0	90·0	90·0	90·0	89·4	89·3	89·1
	9	89·0	88·5	88·2	89·0	86·2	86·0	85·3	85·1	87·0	87·0	87·3	87·0
	10	87·8	86·6	86·3	87 0	87·5	87·4	86·5	86·0	86·3	86·5	86·0	85·9
	11	83·8	83·9	83·0	84·2	85·2	85·0	85·1	85·0	85·0	84·7	84·4	84·3
	12	82·9	82·9	83·7	83·8	83·8	84·3	84·5	84·6	84·5	85 0	84·9	85·0
	13												
	14	86·0	86·2	86·2	86·2	86·2	86·0	86·0	86·0	86·0	85·6	85·5	85·5
	15	88·4	87·7	87·0	87·5	87·7	87·5	87·5	87·5	87·5	87·3	87·0	86·9
	16	86·5	85·7	85·4	86·6	87·0	87·1	87·0	87·0	86·6	86·7	86·6	86·8
	17	83·2	83·2	82·8	84·2	85·0	84·6	84·5	84·0	84·0	84·3	84·4	84·8
	18	82·9	82·1	81·8	83·2	82·5	81·5	81·5	82·0	82·5	81·9	81·9	81·9
	19	83·8	84·2	84·2	84·7	85·3	85·1	85·2	85·5	85·5	85·1	85·3	85·3
	20												
	21	85·6	85·3	85·2	85·7	85·8	85·0	85·3	85·5	85·5	85·5	85·8	85·9
	22	88·4	87·9	87·3	87·2	87·7	87·5	87·3	87·0	87·0	86·5	86·4	86·4
	23	87·2	87·0	87·0	87·0	87·0	87·0	87·0	87·0	87·0	86·5	86·0	85·3
	24	84·4	84·2	84·2	85·0	86·0	86·0	86·0	86·0	86·3	86·4	86·0	85·6
	25	—	85·4	84·7	85·3	85·8	86·0	86·0	85·5	85·6	85·5	85·0	84·4
	26	82·9	82·7	82·7	83·8	84·7	85·0	85·0	85·5	84·7	84·9	84·5	84·9
	27												
	28	85·0	85·2	84·2	85·3	85·5	85·5	85·5	85·6	85·9	85·9	85·5	85·5
	29	85·9	85·7	84·7	84·5	84·5	84·5	84·5	85·1	85·0	84·8	85·1	85·4
	30	85·4	85·0	84·9	85·2	84·9	85·0	85·0	85·0	85·1	85·2	85·2	85·0
	31												

VERTICAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
JUNE, 1846. 1	-2·09·00	-1·28·65	-1.08·30	-1·32·85	-2·34·70	-3·38·10	-4·06·80	-3·43·10	-3·31·10	-3·20·70	-2·25·00	-3·25·30
2	-3·00·20	-2·28·70	-2·22·80	-2·15·20	-3·30·90	-4·30·55	-4·08·30	-5·00·95	-4·33·60	-2·10·40	-1·15·60	-0·46·70
3	-2·25·00	-2·29·45	-1·32·70	-1·33·30	-3·09·30	-4·37·10	-5·29·10	-6·18·60	-5·44·90	-4·25·80	-3·01·00	-2·21·70
4	-3·11·40	-2·13·20	—	-2·00·70	—	-5·21·55	-5·21·55	-5·03·90	-3·26·30	-1·29·50	-1·00·50	—
5	-0·00·15	-0·03·20	-0·34·05	-1·03·20	-2·12·50	-3·06·80	-3·24·95	-3·31·00	-2 29·50	-1·06·20	-0·48·50	-0·43·00
6												
7	-1·19·90	-0·25·20	-0·22·30	-1·06·85	-3·08·15	-5·02·10	-5·10·95	-4·04·40	-3·24·50	-2·23·40	-1·32·00	-1·12·80
8	-1·34·40	-0·33·10	-0·33·10	-1·09·35	-2·30·95	-4·02·70	-4·02·70	-5·15·10	-4·29·10	-3·45·00	-2·14·40	-2·10·10
9	-0·45·50	-1·11·45	-1·07·00	-0·31·55	-1·40·25	-4·07·50	-4·34·80	-5·25·80	-5·30·65	-4·30·90	-3·44·30	-2·27·80
10	-0·43·60	-0·08·30	-0·23·65	-1·16·15	-2·48·10	-4·10·15	-4·41·20	-5·48·00	-5·03·50	-3·27·50	-2·27·80	-1·42·10
11	-1·31·50	-2·04·10	-0·31·30	-1·13·25	-2·23·25	-4·02·90	-5·06·65	-5·33·50	-5·02·95	-5·08·90	-3·01·60	-1·16·40
12	—	—	—	—	—	—	—	—	—	—	—	+0 04·40
13												
14	+1·26·60	+0·48·15	+1·44·70	+0·27·20	-0·03·05	-1·18·95	-2·23·40	-2·23·40	-1·35·00	-1·48·20	-1·00·40	-0·20·90
15	+0·47·60	+1·22·70	+1·12·90	+0·42·90	-0·06·75	-1·24·30	-2·49·55	-2·44·10	-2·37·25	-1·31·20	-0·32·40	-0·01·80
16	+0·14·80	+0·26·70	+1·28·75	+1·34·25	+0·48·75	-0·27·40	-2·21·02	-3·41·15	-3·21·50	-3·06·80	-2·25·00	-1·18·50
17	+0·02·70	+0·02·70	+1·13·40	+0·43·80	+0·14·35	-0·24·20	-1·30·60	-3·10·85	-2·13·50	-1·29·60	-0·35·30	+0·05·70
18	+0·02·60	+0·20·00	+1·25·50	+0·25·50	+0·23·80	-0·34·00	-1·43·60	-1·20·70	+0·05·20	-0·01·80	+0·12·30	+0·30·70
19	+1·21·00	+2·07·50	+1·49·40	+1·22·40	+0 39·75	-0·40·60	-0·45·35	-1·09·60	-0·22·30	+0·37·15	+1·41·90	+2·19·70
20												
21	+0·25·50	+0·46·25	+0·27·80	-0·02·55	-2·06·80	-2·06·75	-3·09·50	-3·23·40	-2·37·30	-0·28·80	+0·20·60	+0·12·90
22	+0·10·20	-0·04·75	+0·15·15	-0·00·90	-0·24·50	-0·17·10	-1·19·50	-1·19·50	-1·19·50	-0·49·30	-0·10·90	+0·05·00
23	+0·37·60	+0·37·60	+1·02·45	-0·46·00	-2·02·15	-3·08·45	-3 30·00	-3·19·15	-3·28·20	-3·28·20	-1·49·40	-0·30·80
24	+0·09·90	-0·13·55	+0·36·85	-0·13·30	-0·45·70	-2·04·00	-1·39·40	-1·42·40	-0·29·95	-0·20·30	+0·19·80	+0·21·00
25	+0·19·20	+0·17·95	+0·24·10	-1·02·00	-3·33·45	-4·16·10	-4·08·05	-3·19·65	-3·13·70	-1·40·70	-1·07·90	-0·47·75
26	+0·31·20	+0·07 00	+0·04·90	-0·24·50	-1·07·95	-1·33·60	-3·30·60	-4·07·00	-3·22·50	-3·03·40	-1·28·50	-0·43·80
27												
28	+0·08·10	+0·30·95	+1·11·55	+1·04·00	+0·26·45	+0·42·00	-1·46·85	-2·49·60	-2·23·40	-1·38 40	-0·29·70	-0·11·80
29	-0·20·80	-0·05·85	+0·29·05	+0·10·35	-0·24·60	-0·46·60	-1·34·60	-1·32·05	-1·38·40	-1·29·10	-1·07·90	-0·06·05
30	+0·27·50	+1·01·05	+0·44·10	+0·09·20	-1·21·90	+2·08·00	-3·00·00	-3·00·00	-2·27·75	-5·24·90	-1·08·30	-0·18·00
31												

THERMOMETER OF VERTICAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
JUNE, 1846. 1	89°·8	89°·5	88°·2	87°·0	87°·5	88°·4	88°·5	88°·5	88°·5	89°·3	89°·9	90°·3
2	87·8	87·7	86·2	85·7	86·4	87·0	87·5	88·5	89·3	89·8	90·4	90·8
3	88·0	88·1	86·6	86·2	86·7	87·0	87·5	88·0	89·0	89·7	90 3	90·9
4	89·5	89·5	—	87·8	—	88·0	88·5	89·0	89·5	89·9	90·8	—
5	89·9	89·9	88·7	88·0	88·7	89·0	89·5	90·0	90·6	91·3	91·9	92 5
6												
7	90·8	90·5	89·0	89·0	87·5	86·5	87·0	86·5	87·0	87·5	87·9	89·2
8	88·9	88·7	87·5	87·0	87·5	88·0	88·5	89·5	89·5	90·0	90·7	89·7
9	86·8	86·5	84·7	84·0	84·5	84·7	85·0	86·0	86·5	87·5	88·0	87·7
10	85·9	85·7	84·0	83·5	83·7	83·6	84·4	85·5	86·0	84·8	84·4	84·0
11	84·2	84·0	83·0	82·7	82·6	82·1	82·5	83·2	83·5	83·2	83·8	83·5
12	85·4	85·2	84·7	84·2	83.7	83·6	—	82·5	82·0	82·5	82·6	82·9
13												
14	85·4	85·5	84·6	84·5	85·0	85·7	86·2	87·0	87·5	87·9	88·3	88·6
15	86·9	86·8	85·5	85·2	85·6	86·2	86·0	86·6	87·0	87·4	87·6	86·9
16	86·9	86 3	85·2	85·0	84·6	84·5	84·0	83·5	83·5	83·4	83·2	83·0
17	85·0	85·2	83·7	81·7	81·3	81·3	81·0	80·9	81·0	81·0	81·4	81·9
18	81·9	81·6	80·8	80·5	80·7	81·0	81·5	82·0	82·2	82·5	82·4	83·0
19	85·5	85·2	84·2	84·0	84·3	85·1	85·6	86·5	87·0	87·8	88·0	88·4
20												
21	85·9	85·6	84·7	84·7	85·0	85·5	86·0	86·5	86·9	87·4	87·9	88·4
22	86·0	86·2	85·2	84·7	84.7	85·1	86·0	86·6	87·2	87·5	88·0	88·4
23	84·7	84·7	83·5	82·7	82·3	82·5	82·5	83·0	83·0	83·9	84·8	84·9
24	85·8	85·9	84·8	84·1	84·5	85·2	85·0	84·6	85·0	—	—	—
25	84·4	84·7	83·5	82·3	82·2	82·0	81·9	81·6	82·0	82·4	82·6	83·0
26	84·2	84·3	83·5	82·9	82·2	82·0	82·2	82·2	82·5	83·0	83·3	83·9
27												
28	85·8	85·6	84·2	83·7	83·7	83·7	84·1	85·0	84·5	84·0	84·8	85·5
29	85·0	85·2	84·0	83·5	83·5	83·7	84·5	84·7	85·1	86·0	86·2	86·5
30	85·0	85·2	84·2	83·7	83·7	84·0	84·4	85·0	85·5	84·9	85·0	84·8
31												

VERTICAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
JULY, 1846.	1	−0·08·50	+0·28·00	+0·12·40	−0·23·10	−0·23·10	+0·03·40	+0·03·40	+0·11·00	+0·47·70	+0·03·80	−0·11·90	−0·21·70
	2	−2·07·30	−1·37·80	−1·28·65	−1·34·90	−1·18·30	−0·28·85	+0·20·35	+0·21·35	+0·21·35	+0·32·70	+0·07·80	+0·02·00
	3	−0·45·60	−0·41·20	−1·14·25	−1·10·05	−0·33·90	−1·14·75	−0·30·30	−0·30·30	−0·01·45	+0·16·05	−0·29·90	−0·35·40
	4												
	5	−0·41·70	−0·41·70	−1·08·55	−1·13·15	−1·17·25	−2·11·90	−2·11·90	−1·00·80	−1·18·20	−1·11·40	−1·30·20	−1·12·30
	6	−0·35·40	−1·24·10	−1·26·70	−1·25·40	−1·08·30	−1·28·40	−0·13·65	−0·02·00	−0·02·00	−0·38·40	−0·38·40	−1·10·50
	7	−2·20·50	−2·37·20	−2·24·45	−2·36·50	−3·01·10	−2·21·30	−2·13·45	−2·32·85	−2·09·35	−2·01·90	−2·17·40	−2·13·00
	8	−2·03·40	−1·35·10	−2·14·95	−2·14·95	−2·21·45	−3·12·00	−2·29·35	−2·18·58	−2·01·80	−2·21·60	−1·45·40	−2·10·00
	9	−1·38·20	−1·42·05	−2·09·65	−2·26·40	−2·17·10	−3·15·00	−2·11·15	−2·00·90	−2·15·60	−2·32·00	−3·16·00	−2·45·40
	10	−2·01·40	−1·36·40	−2·18·75	−3·14·55	−3·31·75	−4·06·65	−4·01·70	−3·27·90	−3·27·90	−3·42·70	−3·25·10	−3·38·10
	11												
	12	−2·45·85	−3·06·10	−2·23·55	−3·19·05	−3·45·15	−4·01·00	−3·05·50	−2·42·25	−3·03·75	−3·09·90	−3·28·65	−3·09·30
	13	−2·34·60	−2·38·40	−3·31·10	−4·14·80	−4·14·80	−3·13·95	−3·37·85	−3·12·00	−3·24·50	−3·49·50	−4·27·70	−4·22·50
	14	−4·03·30	−3·10·60	−3·12·10	−3·37·35	−3·29·25	−3·31·85	−3·07·95	−2·31·30	−2·06·95	−2·31·20	−2·21·10	−2·34·80
	15	−2·33·10	−2·29·90	−2·34·05	−3·27·50	−3·37·95	−3·37·00	−3·15·60	−2·47·55	−2·02·50	−2·31·80	−3·05·70	−2·37·30
	16	−3·14·00	−3·14·40	−3·25·80	−3·31·60	−4·15·25	−3·42·40	−3·17·40	−3·36·10	−3·28·50	−2·45·20	−3·24·00	−3·01·00
	17	−1·26·60	−2·03·50	−2·12·45	−3·08·70	−3·46·90	−3·26·90	−2·49·15	−3·09·55	−3·12·45	−2·49·80	−3·49·10	−3·18·00
	18												
	19	−2·00·75	−2·02·50	−2·41·35	−3·43·20	−3·03·55	−3·04·00	−2·12·60	−2·26·00	−2·18·10	−2·03·40	−1·43·70	−1·11·50
	20	−1·23·40	−1·43·40	−2·14·80	−2·11·45	−2·18·05	−2·18·05	−2·08·70	−2·07·20	−2·28·30	−1·31·00	−1·09·30	−1·29·90
	21	−0·56·40	−1·08·55	−1·46·00	−1·46·00	−2·08·90	−2·17·40	−2·26·00	−2·26·00	−2·26·00	−2·02·50	−2·18·50	−1·37·00
	22	−0·47·00	−1·04·65	−1·22·25	−1·32·65	−1·32·65	−2·19·20	−1·42·50	−2·03·60	−2·06·30	−2·06·30	−2·22·80	−1·34·00
	23	−1·23·90	−1·23·90	−1·18·95	−0·45·00	−0·19·35	−0·18·05	−0·26·40	−0·07·25	−0·30·00	−0·00·40	+0·07·50	+0·13·70
	24	+0·12·70	+0·12·70	+0·12·70	+0·07·65	+0·07·65	+0·07·65	+0·07·65	+0·07·65	+0·07·65	+0·07·65	+0·07·65	+0·07·55
	25												
	26	−1·08·65	−1·08·70	−1·08·70	−1·08·70	−1·08·70	−1·08·70	−1·08·70	−1·14·40	−1·14·40	−1·14·40	−0·08·70	−0·08·70
	27	−0·31·30	−0·31·30	−0·31·30	−0·29·90	−0·29·90	−0·29·65	−0·29·65	−0·29·65	−0·41·85	−0·30·00	−0·30·00	−0·38·00
	28	+0·01·50	+0·01·50	+0·01·50	+0·14·25	+0·14·25	+0·14·25	+0·27·70	+0·27·70	+0·27·70	+0·26·00	+0·26·00	+0·26·00
	29	+0·25·75	+0·25·75	+0·25·75	+0·07·50	+0·21·05	+0·12·80	+0·17·95	+0·28·25	+0·28·25	+0·32·90	+0·48·10	+0·37·80
	30	+1·01·70	+0·49·90	+0·42·75	+0·42·75	+0·38·45	+0·30·40	+0·36·00	+0·36·00	+0·36·00	+0·44·80	+1·03·40	+1·03·40
	31	+0·34·80	+0·48·40	+1·05·45	−1·11·50	+1·21·05	+1·25·05	+1·25·05	+1·31·25	+1·35·75	+1·47·60	+2·01·50	+1·39·00

THERMOMETER OF VERTICAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
JULY, 1846.	1	84·5	84°·7	84°·3	85·5	86·0	85°·6	85°·9	86·0	85°·5	85°·5	85°·0	85°·0
	2	82·9	82·7	82·7	84·7	85·4	85·3	84·9	85·0	85·1	85·5	84·8	84·9
	3	83·5	83·6	83·2	84·7	85·4	85·5	85·4	85·5	85·5	85·3	85·0	84·9
	4												
	5	86·7	86·7	86·3	86·3	87·2	87·0	86·5	86·5	86·5	85·9	85·7	85·5
	6	87·9	87·0	85·0	86·7	87·4	87·5	86·8	86·5	86·5	86·3	86·0	86·2
	7	86·8	85·5	85·0	84·8	86·7	86·7	86·5	86·5	86·5	86·3	86·1	85·7
	8	87·4	86·6	85·8	86·5	87·3	87·5	87·5	87·5	87·2	86·8	86·1	86·3
	9	89·3	88·8	87·4	87·7	88·3	88·7	88·1	87·9	87·5	87·4	87·4	87·4
	10	89·4	88·5	87·8	87·9	88·7	89·2	89·0	88·5	88·3	88·4	87·6	87·5
	11												
	12	89·0	88·0	87·6	88·7	89·2	89·5	88·5	88·5	88·6	88·5	88·4	88·5
	13	86·8	86·0	85·8	86·8	87·8	88·5	88·0	88·0	87·5	87·0	87·0	86·5
	14	86·3	86·0	85·4	86·0	86·5	87·0	87·0	86·9	86·6	86·5	86·0	85·9
	15	84·5	84·0	83·8	84·8	85·0	85·0	85·0	85·0	84·5	84·4	84·4	84·5
	16	81·3	81·7	81·9	82·7	83·4	83·5	83·0	83·6	84·0	83·1	83·2	83·4
	17	80·0	80·2	80·7	82·3	83·2	83·0	82·5	82·3	82·5	82·8	83·5	83·5
	18												
	19	79·8	79·7	80·2	82·4	82·7	82·5	82·5	82·5	82·5	81·9	81·5	81·4
	20	80·1	80·5	80·2	81·2	81·9	82·3	82·5	82·5	82·8	82·4	82·0	82·3
	21	80·9	80·7	80·2	81·7	82·2	82·5	82·5	82·8	83·2	82·8	82·5	82·3
	22	81·5	80·7	80·6	81·7	82·5	83·0	83·2	83·0	83·3	83·5	83·3	82·7
	23	83·9	82·5	81·9	82·8	83·8	84·0	84·0	84·0	84·0	84·0	84·0	84·0
	24	79·9	79·1	79·0	80·6	81·6	81·6	81·6	82·0	82·5	82·8	82·4	82·9
	25												
	26	80·7	80·3	80·3	81·8	82·2	82·5	82·6	82·5	83·0	82·8	82·7	82·7
	27	82·0	81·0	81·3	82·0	82·6	82·6	83·0	83·0	83·2	83·4	82·9	82·9
	28	82·9	82·6	81·6	82·5	82·5	83·0	83·0	83·0	83·0	83·0	82·6	82·9
	29	81·5	81·5	81·4	82·8	84·2	81·4	84·3	84·0	83·6	83·8	83·5	83·9
	30	81·6	81·4	81·4	82·2	83·2	80·9	84·5	84·5	84·2	83·9	83·4	83·4
	31	83·8	82·6	82·0	82·8	83·7	84·0	84·0	84·4	84·5	84·0	83·9	83·9

VERTICAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
JULY, 1846.	1	-0·01·40	+0·26·00	+0·26·00	+0·28·95	-0·07·25	-1·42·40	-3·13·00	-4·17·10	-3·49·45	-3·18 60	-3·18 90	-3·05·00
	2	+0·02·00	+0·02·00	-0·14·75	-0·39·80	-1·27·20	-2·25·40	-2·16·50	-1·35·45	-1·18·20	-0·46·15	-1·38·80	-1·13·30
	3	-0·09·90	+0·04·00	-0·18 10	-0·48·75	-1·48·50	-2·30·80	-2·06·10	-2·14·45	-0·37·65	-0·25·40	-1·17·90	-1·25·70
	4												
	5	-1·16·70	-1·14·00	-0·36·20	-1·39·80	-2·43·50	-3·48·85	-3·37·35	-2·28·15	-3·28·15	-3 04·80	-2·03·60	-1·42·60
	6	-1·29·40	-1·03·10	-1·41·35	-1·07·80	-2·30·75	-3·35·00	-4·10·60	-4·39·30	-3·02·40	-2·10·00	-2·34·60	-2·27·50
	7	-2·03·60	-0·31·90	-1·26·60	-2·01·30	-3·17·40	-4·15·20	-4·37·35	-5·12·55	-4·18·90	-3·00·20	-1·46·60	-1·48·90
	8	-2·10·00	-1·32·35	-1·28·65	-1·47·60	-2·40·90	-4·01·70	-5·25·70	-6·12·00	-6·00·50	-4·12·80	-2 37·70	-1·41·90
	9	-2·45·40	-3·01·30	-2·23·65	-2·04·50	-3·10·55	-5·05·85	-6·15·90	-6·23·15	-6·18·60	-4·48·00	-3·34·20	-2·27·30
	10	-3·09·00	-2·47·90	-2·24·35	-2·12·25	-3·08·05	-5·22·50	-6·02·05	-6·28·50	-5·38·15	-6·37·20	-5·12·90	-3·46·40
	11												
	12	-3·14·70	-3·09·35	-2·46·70	-2·34·30	-3·08·25	-4·18·50	-4·48·40	-6·36·00	-6·48·30	-4·41·80	-3·49·20	-3·16·70
	13	-3·22·10	-2·36·20	-2·23·15	-3·11·15	-4·07·95	-5·27·80	-5·44·00	-4·47·20	-6·31·90	-5·32·70	-4·46·80	-4·30·00
	14	-3·09·40	-3·21·95	-2·42·05	-2·32·90	-3·28·20	-4·24·45	-5·43·50	-4·33·30	-3·31·60	-3·06·70	-3·19·70	-2·48·30
	15	-3·06·20	-2·21·20	-1·45·05	-1·21·70	-2·00·40	-4·02·50	-4·45·00	-5·11·30	-4·35·60	-4·29·90	-3·49·80	-3·35·60
	16	-2·43·60	-2·36·25	-2·08·75	-2·38·50	-3·15·00	-3·42·50	-4·19·35	-4·13·40	-4·06·50	-4·23·90	-3·27·00	-2·23·10
	17	-2·44·50	-1·43·55	-1·06·50	-2·17·25	-3·30·35	-4·47·00	-6·03·50	-6·39·50	-6·37·15	-4·49·50	-3·13·70	-2·42·30
	18												
	19	-1·11·50	-1·18·95	-0·39·15	-1·02·00	-2·03·70	-3·12·50	-5·19·10	-4·32·00	-3·32·20	-1·17·60	-1·17·60	-1·17·60
	20	-1·39·70	-0·49·60	-0·28·00	-0·32·55	-0·47·15	-1·39·40	-2·10·90	-3·07·30	-2·30·65	-2·04·70	-1·15·20	-0·48·60
	21	-1·27·80	-1·17·65	-1·17·66	-2·09·50	-2·01·80	-2·14·40	-2·38·60	-2·38·60	-2·47·85	-1·24·50	-1·09·90	-0·47·00
	22	-1·25·30	-0·41·55	-0·43·20	-0·47·25	-1·03·30	-1·06·55	-1·23·40	-1·20·70	-1·23·70	-1·29·90	-1·23·90	-1·23·90
	23	+0·10·00	+0·07·10	+0·10·75	+0·10·75	+0·10·75	+0·10·75	+0·10·75	+0·10·75	+0·08·25	+0·08·25	+0·12·70	+0·12·70
	24	+0·07·65	+0·00·90	-0·07·45	-0·14·60	-0·18·90	-0·17·00	-0·26·20	-0·32·20	-0·32·20	-0·31·70	-0·31·70	-0·31·70
	25												
	26	+0·01·90	+0·09·40	+0·09·40	+0·02·55	-0·04·95	-0·14·50	-0 14·75	-0·18·90	-0·18·90	-0·18·90	-0·24·10	-0·24·10
	27	-0·38·00	-1·04·15	-1·04·45	-1·08·45	-1·08·45	-0·42·05	-0·42·05	-0·42·05	-0·34·25	-0·34·25	-0·34·25	+0·01·50
	28	+0·26·00	+0·22·90	+0·27·00	+0·27·50	+0·19·00	+0·11·00	+0·01·85	-0·11·50	-0·02·40	+0·01·00	+0·07·30	+0·15·50
	29	+0·47·20	+0·47·20	+1·07·50	+1·07·50	+0·49·25	+0·39·95	+0·26·35	+0·24·25	+0·34·50	+0·34·50	+0·45·70	+1·01·70
	30	+1·03·40	+1·06·75	+1·21·65	+1·14·95	+0·47 25	+0·45·70	+0·38·40	+0·38·40	+0·43·00	+0·23·60	+0·20·60	+0·31·80
	31	+1·36·10	+2·11·30	+2·11·30	+2 11·30	+1·28·65	+1·11·20	+1·06·80	—	—	-6·13·50	-5·30·05	+4·01·25

THERMOMETER OF VERTICAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
JULY, 1846.	1	85°·0	84°·8	84°·0	83°·7	83°·3	83°·3	83°·5	83°·5	82°·5	82·5	82°·9	82°·9
	2	84·9	84·8	84·2	83·1	82·7	82·0	82·0	82·0	83·5	83·3	83·4	83·4
	3	84·9	84·7	83 5	83·2	83·7	84·3	85·0	85·3	85·0	85·8	86·1	85·8
	4												
	5	85·4	85·3	84·2	83·7	83·9	84·5	85·2	86·2	86·3	86·7	87·3	87·8
	6	86·0	86·0	84·7	84·2	84·2	83·5	84·5	85·3	86·0	86·6	87·3	87·2
	7	86·2	85·7	84·2	83·7	84·2	84·5	84·5	85·3	86·0	86·9	87·3	87·4
	8	86·0	86·2	84·7	84·5	84·8	85·5	86·0	86·8	87·3	88·0	88·4	88·6
	9	87·1	87·4	85·5	85·0	85·2	85·5	86·4	86·9	87·3	88·2	88·9	89·3
	10	87·0	87·3	85·7	85·2	85·7	86·4	86·5	86·9	87·6	88·0	88·8	89·1
	11												
	12	88·5	88·0	86·7	85·7	85·7	84·8	84·5	85·5	86·3	86·6	86·6	87·0
	13	85·4	86·0	83·7	83·2	83·7	83·5	83·6	84·6	83·7	84·1	84·4	85·0
	14	86·0	85 9	84·5	83·7	84·1	84·5	85·0	84·5	84·6	85·3	84·8	84·8
	15	81·4	83·7	82·7	81·7	81·7	82·0	82·6	83·5	84·3	85·0	85·0	82·9
	16	82·9	83·1	82·5	81·5	81·6	80·9	80·9	81·1	81·0	81·3	80·7	80·3
	17	83·4	83·3	82·7	81·7	81·7	81·0	80·8	81·5	81·7	82·5	81·9	80·9
	18												
	19	81·0	81·3	81·0	80·2	80·2	80·0	80·2	80·6	81·0	81·5	80·3	80·0
	20	82·3	81·7	80·9	80·3	80·2	80·0	79·7	80·0	79·7	79·4	79·9	80·3
	21	82·4	82·3	81·7	80·2	80·2	80·3	80·5	80·5	81·0	80·9	81·1	81·3
	22	82·2	82·2	81·5	80·9	81·3	81·8	81·5	82·6	83·2	83·4	84·0	84·2
	23	83·3	83·2	82·5	82·0	81·7	82·0	82·0	82·0	81·1	80·9	80·4	79·9
	24	83·0	83·0	82·2	81·2	81·2	80·5	80·2	80·2	80·0	79·8	79·8	80·0
	25												
	26	82·7	82·5	81·5	80·8	81·5	80·8	81·2	82·0	82·6	83·0	83·0	82·7
	27	82·9	82·9	81·8	81·5	81·6	81·6	82·0	82·7	83·2	83·3	82·9	83·0
	28	83·4	83·5	82·2	81·5	81·0	81·0	81·3	81·3	81·4	82·1	82·4	82·1
	29	84·0	83·5	82·7	82·2	81·6	81·5	81·7	81·8	81·5	81·9	81·9	81·7
	30	83·5	83·2	81·7	81·6	81·7	82·0	82·2	82·7	83·3	83·4	83·1	83·3
	31	84·0	83·8	82.0	81·2	81·4	81·2	81·5	—	—	87·0	87·0	87·0

VERTICAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
AUGUST, 1846.	1												
	2	+5·18·10	+5·37·25	+5·20·80	+5·15·00	+5·24·30	+5·14·19	+5·44·75	+6·04·50	+5·39·50	+5 40·60	+6·13·30	+6·00·60
	3	+5·02·75	+5·18 75	+5·15·60	+5·15·60	+4·38·85	+4·24·20	+4·37·55	+4·32·70	+4·19·35	+4·35·50	+4·28·20	+4·37·70
	4	+5·28·30	+5·10·65	+4·47·25	+4·15·75	+3·49·70	+4·02·05	+4·02·05	+4·17·20	+3·47·00	+4 20·00	+4·20·00	+4·05·10
	5	+3·35·10	+3·37·50	+3·37·50	+4·13·65	+4·21·50	+4·01·70	+4·06·65	+4·30·50	+4·21·50	+4·09·00	+4·09·00	+4·09·00
	6	+4·24·30	+5·24·15	+5·20·30	+5·20·30	+5·12·55	+5·12·55	+5·21·70	+5·17·15	+5·10·50	+5·10·50	+5·10·50	+5·10·50
	7	+5·06·10	+5·14·10	+5·24·30	+5·06·10	+4·46·00	+4·47·15	+5·16·25	+5·12·45	+5·16 70	+5·31·10	+5·32·40	+5·25·10
	8												
	9	+5·15·50	+5·15·50	+5·04·40	+4·41·85	+4·39·40	+4·48·15	+4·42·80	+4·41·95	+4·48·45	+5·11·00	+5·08·30	+5·02·30
	10	+5·06·50	+5·18·60	+4·48·25	+4·48·25	+4·44·70	+4·38·00	+4·24·25	+5·30·65	+4·21·50	+4·34·10	+4·37·60	+5·06·30
	11	+4·47·80	+4·49·40	+5·02·05	+4·47·40	+4·47·40	+4·41·10	+5·07·15	+5·01·05	+5·01·05	+4·45·30	+4·45·30	+4·40·40
	12	+5·26·50	+5·15·00	+5·15·00	+5·08·15	+4·37·15	+4·25·30	+4·19·70	+4·19·70	+4·12·85	+5·14·30	+5·14·30	+4·49·20
	13	+5·11·20	+5·11·20	+5·02·50	+4·43·05	+4·35·90	+4·09·30	+4·46·55	+4·49·55	+5·03·70	+5·13·50	+5·13·50	+5·13·50
	14	+5·12·90	+5·12·90	+5·13·35	+5·23·45	+5·09·85	+5·00·50	+5·00·50	+5·14·15	+5·17·35	+5·17·35	+5·24·60	+5·17·20
	15												
	16	+4·46·50	+5·05·10	+4·48·75	+4·44·60	+4·20·65	+4·33·80	+4.40·85	+4·24·25	+4·34·25	+4·43·90	+5·00·10	+5·12·70
	17	+5·07·90	+4·44·15	+4·44·15	+4·39·65	+4·20·40	+4·24·55	+4·37·80	+4·23·40	+4·23·40	+4·36·70	+4·49·70	+4·41·60
	18	+4·33·50	+4·37·90	+4·35·00	+4·41·30	+5·01·45	+4·45·55	+5·10·80	+5·15·80	+5·00·50	+5·07·10	+5·07·10	+5·07·10
	19	+4·39·20	+4·39·20	+4·44·60	+4·44·60	+4·36·25	+4·36·25	+4·36·25	+4·38·25	+4·45·05	+5·07·30	+5·14·10	+5·09·90
	20	+4·41·10	+4·43·65	+4·43·65	+4·43·65	+4·40·45	+4·34·55	+4·41·05	+4·41·05	+4·46·85	+4·46·85	+5·12·00	+5·12·00
	21	+4·41·40	+4·41·40	+4·34·40	+4·39·50	+4·35·55	+4·40·20	+4·40·20	+4·40·20	+4·47·30	+4·47·30	+5·08·20	+5·12·75
	22												
	23	+5·09·85	+5 01·55	+4·47·10	+4·47·10	+4·47·10	+4·42 35	+4·42·35	+4·38·20	+4·41·60	+4·45·90	+5·00·50	+5·00·50
	24	+4·47·20	+4·47·20	+4·47·20	+4·47·20	+4·47·20	+4·39·85	+4·48·05	+5·00 10	+5·00·10	+5·05·30	+5·09·30	+5·09·30
	25	+5·06·20	+4·49·05	+4·49·05	+4·49·05	+4·46·80	+5·00·00	+5·10·00	+5·10·00	+5·00·65	+5·02·80	+5·02·80	+5·11·30
	26	+4·38·00	+4·43·25	+4·46·40	+4·42·70	+4·36·15	+4·36·15	+4·44·50	+4·46·00	+4·46·00	+5·00·20	+5·07·30	+5 07·30
	27	+5·09·10	+5·02·35	+4·47·15	+4·47·15	+4·47·15	+4·47·15	+4·47·15	+4·47·15	+4·47·15	+4·43·00	+4·43·00	+4·43·00
	28	+5·02·05	+5·03·10	+5·08·80	+5·08·80	+4·47·20	+4·47·90	+5·02·25	+4·49·95	+5·02·10	+5·02·10	+5·09·50	+5·01·40
	29	+4·46·80	+4·46·80	+4·47·85	+4·43·55	+4·43·55	+4·39·95	+4·46·60	+4·43·80	+4·43·80	+4·45·10	+5·17·40	+5·26·80
	30												
	31	+4·38·80	+4·38·80	+4·43·65	+4·43·65	+4·43·65	+4 39·15	+4·43·00	+4·46·90	+4·46·90	+5·00·50	+5·07·20	+5·07·20

THERMOMETER OF VERTICAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
AUGUST, 1846.	1												
	2	87·0	87·2	87·2	87·0	87·2	87·0	87·0	87·0	87·0	87·0	87·0	87·0
	3	87·1	87·0	87·0	87·0	87·0	87·0	87·0	87·0	87·0	87·0	87·0	87·0
	4	87·1	87·1	87 0	87·0	87·0	87·0	87·0	87·0	87·0	87·0	87·0	87·0
	5	87·1	87·0	87·0	87·0	87·0	87·0	87·0	87·0	87·0	87·0	87·0	87·0
	6	87·0	85·8	84·2	84·4	84·6	84·9	84·4	84·5	84·7	84·5	84·5	84·3
	7	85·0	84·5	83·9	84·4	84·9	85·0	85·0	84·5	84·5	84·3	84·0	83·9
	8												
	9	83·0	83·3	82·5	83·6	84·0	84·0	84·5	84·5	84·5	83·8	83·2	83·3
	10	84·8	83·8	83·5	83·2	84·2	84·5	84·5	83·9	84·6	84·4	83 9	83·9
	11	85·6	85·2	84·5	84·7	85·0	85·0	84·5	84·5	84·7	84·5	84·5	84·8
	12	84·0	82·5	82·0	82·5	83·7	84·5	84·6	84·9	84·8	83·9	83·9	84·0
	13	83·7	82·4	82·1	83·5	84·5	84·3	84·5	84·6	84·8	84·4	84·3	84·4
	14	85·0	84·2	83·5	83·5	84·5	84·6	84·5	84·0	84·0	83·9	83·5	83·4
	15												
	16	83·0	82·4	81·8	82·5	83·7	83·1	83·0	83·4	83·5	83·4	83·5	83·4
	17	82·5	82·7	82·2	83·5	84·4	84·4	83·5	84·0	83·5	82·9	82·9	83 4
	18	83·4	82·5	82 2	83·5	83·8	83·6	84·0	83·8	83·0	82·8	82·7	83·0
	19	82·0	82·0	81·8	82·7	83·7	84·0	84·0	84·2	84·0	83·6	83·5	83·9
	20	83·6	82·2	82·0	83·0	84·0	84·4	84·7	85·1	85·0	84·0	83·5	84·7
	21	85·1	84·7	84·0	84·5	85·2	85·4	85·0	85·0	84·7	84·7	84·4	84·0
	22												
	23	82·7	82·5	82·4	83·0	84·0	84·4	84·4	84·4	84·3	84·4	84·0	83·9
	24	84·9	84·9	83·8	84·0	84·2	84·5	84·0	84·0	84·0	83·9	83·5	83 5
	25	86·6	86·0	84·7	85·2	85·5	85·2	85·0	84·4	85·5	85·3	84·9	84·4
	26	86·6	85·7	84·7	85·2	85·8	85·9	85·7	85·5	85·6	84·9	84·5	84·8
	27	83·8	83·5	83·1	84·0	84·5	84·5	84·4	84·5	84·5	84·4	84·4	84·4
	28	85·0	83·0	82·2	82·8	84·2	84·5	84·4	84·5	84·5	84 5	83·9	83·7
	29	84·7	83·5	83·0	84·3	84·7	84·2	84·2	84·5	85·0	84·7	84·1	84·3
	30												
	31	85·0	84·7	83·9	84·8	85·2	85·5	85·0	85·0	85·0	84·5	84·0	83·8

VERTICAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
AUGUST, 1846.	1												
	2	+6·00·60	+5·40·85	+5·42·50	+5·23·95	+4·31·20	+4·13·50	+3·35·75	+3·24·25	+3·34·95	+4·01·30	+4·24·00	+5·15·00
	3	+4·32·70	+5·15·10	+5·35·90	+5·02·05	+4·30·10	+4·04·70	+3·42·15	+3·42·15	+4·06·20	+4·24·50	+4·02·10	+5·07·60
	4	+4·12·30	+4·32·55	+4·20·50	+4·32·75	+3·41·80	+2·24·30	+1·38·70	+1·38·70	+2·06·20	+2·41·00	+3·06·50	+3·29·60
	5	+4·03·10	+3·44·20	+4·07·15	+4·00·95	+3·22·95	+1·33·95	+1·27·65	+1·34·70	+2·05·75	+2·40·50	+3·10·70	+4·24·30
	6	+5·18·30	+5·31·25	+5·48·00	+5·48·00	+5·33·70	+4·22·50	+4·26·75	+4·46·80	+4·46·80	+4·33·05	+4·33·05	+5·05·25
	7	+5·30·50	+5·31·15	+5·42·80	+5·00·00	+4·45·85	+5·00·55	+4·46·60	+4·46·60	+4·46·60	+4·38·50	+4·45·80	+4·48·50
	8												
	9	+4·45·90	+5·00·85	+5·29·40	+5·15·00	+5·02·90	+4·35·40	+5·03·00	+3·41·45	+3·42·75	+4·13·60	+4·18·80	+4·30·80
	10	+5·06·30	+5·13·15	+5·32·75	+5·25·40	+4·46·90	+4·14·55	+3·44·20	+3·44·20	+4·16·00	+4·28·40	+4·40·50	+4·40·50
	11	+4·31·80	+4·35·10	+5·16·95	+5·17·95	+4·44·10	+4·14·50	+3·32·60	+4·01·65	+4·07·35	+4·11·70	+4·24·10	+4·44·60
	12	+4·36·70	+4·48·35	+5·14·30	+5·12·15	+4·37·15	+4·08·90	+3·48·85	+4·05·90	+4·13·00	+4·38·20	+5·08·70	+5·17·90
	13	+5·13·50	+5·17·10	+5·20·45	+4·36·80	+4·31·90	+4·40·35	+4·23·25	+4·06·25	+4·20·75	+4·43·40	+5·07·80	+5·12·90
	14	+5·17·20	+5·23·75	+5·23·75	+5·15·00	+5·00·15	+4·40·20	+4·34·40	+4·34·40	+4·34·40	+4·40·70	+5·00·90	+5·12·40
	15												
	16	+4·45·60	+4·38·85	+5·06·40	+5·06·40	+4·23·60	+4·18·45	+4·13·85	+4·13·85	+4·21·30	+4·43·40	+5·00·40	+5·00·40
	17	+4·34·40	+5·02·10	+5·18·05	+5·18·25	+4·34·60	+4·13·90	+3·49·00	+4·11·60	+4·03·45	+4·03·45	+4·09·30	+4·09·30
	18	+5·07·10	+5·14·90	+5·14·90	+5·11·00	+4·34·40	+4·08·20	+3·42·70	+3·42·70	+4·42·70	+4·10·00	+4·19·10	+4·39·20
	19	+5·09·90	+5·15·90	+5·29·00	+5·22·35	+5·02·20	+4·29·95	+4·07·90	+4·10·10	+4·15·40	+4·20·60	+4·27·45	+4·32·50
	20	+5·10·20	+5·14·75	+5·18·40	+5·18·40	+5·01·05	+4·26·00	+4·06·20	+3·42·80	+3·42·80	+4·12·90	+4·29·00	+4·37·20
	21	+5·18·20	+5·18·45	+5·26·25	+5·26·25	+5·18·15	+5·02·30	+4·43·30	+4·37·20	+4·37·20	+4·37·20	+4·35·90	+4·46·60
	22												
	23	+5·00·50	+5·06·00	+5·13·45	+5·13·45	+4·46·00	+4·32·95	+4·20·05	+4·11·40	+4·17·40	+4·28·00	+4·39·25	+4·47·20
	24	+5·00·80	+5·00·80	+5·17·05	+5·17·05	+4·38·85	+4·10·35	+4·07·90	+4·09·90	+4·24·10	+4·38·30	+4·46·40	+5·06·20
	25	+5·11·30	+5·07·30	+5·07·20	+5·07·40	+4·36·70	+5·20·55	+5·07·90	+5·07·90	+5·07·90	+4·18·50	+4·25·70	+4·25·70
	26	+5·07·30	+5·11·30	+5·17·35	+5·17·35	+5·01·10	+4·35·05	+4·35·05	+4·35·05	+4·39·20	+4·42·80	+5·00·90	+5·00·90
	27	+5·00·10	+5·00·10	+5·15·60	+5·17·35	+5·07·80	+4·39·95	+4·25·25	+4·25·25	+4·29·00	+4·39·30	+4·42·90	+4·48·00
	28	+5·01·40	+5·06·90	+5·21·40	+5·20·10	+4·46·75	+4·43·55	+4·39·10	+4·31·50	+4·34·10	+4·34·10	+4·33·20	+4·43·70
	29	+5·26·80	+5·27·35	+5·30·05	+5·30·05	+5·11·10	+4·45·75	+4·31·50	+4·20·00	+4·25·35	+4·42·10	+4·42·10	+5·14·80
	30												
	31	+5·16·40	+5·10·70	+5·24·35	+5·24·35	+5·15·70	+5·02·35	+4·43·05	+4·39·05	+4·43·20	+4·46·60	+4·43·30	+5·06·20

THERMOMETER OF VERTICAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		12h	13h	14h	15h	16	17h	18h	19h	20h	21h	22h	23h
AUGUST, 1816.	1												
	2	87°·0	86°·8	87°·0	87°·0	87°·0	87°·0	87°·0	87°·0	87°·0	87°·1	87·1	87°·1
	3	87·0	87·0	87·0	87·0	87·0	87·0	87·0	87·0	87·0	87·1	87·1	87·1
	4	87·0	86·9	86·9	26·9	86·9	87·0	87·0	87·0	87·0	87·1	87·1	87·1
	5	87·0	87·0	87·0	87·0	87·0	87·0	87·0	87·0	87·0	87·1	87·1	87·0
	6	83·6	83·6	82·0	81·5	81·9	81·9	82·2	83·5	83·2	84·3	85·0	85·8
	7	84·0	83·5	82·7	82·0	82·0	82·7	83·3	84·0	84·5	85·1	85·5	85·4
	8												
	9	83·4	83·0	81·8	81·5	81·5	82·0	82·0	82·0	83·4	83·5	84·9	85·4
	10	83·9	83·4	82·3	82·0	82·2	83·3	83·5	84·0	84·8	85·0	85·5	86·0
	11	84·9	84·7	83·2	82·0	81·8	82·0	82·8	84·0	84·5	84·8	85·3	85·0
	12	84·5	84·5	82·6	82·0	82·0	82·3	83·0	83·5	84·0	84·8	84·5	83·8
	13	84·4	84·0	82·5	82·0	82·0	82·5	82·9	83·5	84·9	85·4	85·9	85·5
	14	83·9	83·7	82·1	81·4	81·6	82·0	81·7	82·6	82·7	82·0	82·1	82·7
	15												
	16	83·9	83·8	82·4	81·8	82·0	82·8	82·5	83·0	83·7	82·5	81·6	82·0
	17	83·4	83·0	82·0	81·3	81·6	81·8	82·2	81·5	81·7	82·9	83·5	83·6
	18	83·5	83·5	82·0	81·0	81·2	81·9	82·2	83·5	83·5	83·1	82·5	81·9
	19	83·0	83·5	82·0	81·5	81·5	82·0	82·5	83·0	83·7	83·6	84·8	84·8
	20	84·0	84·0	82·5	81·7	81·8	82·2	82·9	83·7	84·0	83·0	84·3	84·8
	21	84·0	84·0	82·0	81·8	81·7	81·8	81·5	82·6	83·2	84·9	85·5	85·6
	22												
	23	83·5	83·7	82·5	81·7	81·7	81·2	81·8	82·8	83·6	84·4	84·6	84·4
	24	83·8	83·7	81·5	81·0	81·5	82·0	83·0	83·5	84·0	84·5	85·4	86·1
	25	84·3	84·0	82·0	81·7	82·2	83·0	83·9	84·5	84·8	85·5	86·0	86·4
	26	84·8	84·7	83·0	82·0	82·0	82·5	83·3	83·4	83·5	83·5	83·8	84·0
	27	84·4	84·2	82·5	82·2	82·5	83·5	84·0	83·9	84·6	85·4	86·0	85·4
	28	83·4	83·2	82·6	81·8	81·9	82·5	83·5	83·9	84·4	85·2	85·9	85·5
	29	83·9	83·8	82·4	81·8	82·5	83·0	83·5	84·4	85·0	83·7	83·5	82·0
	30												
	31	83·5	83·7	82·4	81·8	82·2	82·9	83·1	83·9	84·0	85·3	85·1	84·8

VERTICAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
SEPTEMBER, 1846.	1	+5·15·90	+5·15·90	+5·15·90	+5·22·40	+5·22·40	+5·25·90	+5·28·70	+5·35·80	+5·35·80	+5·41·70	+5·41·70	+5·41·70
	2	+5·45·60	+5·37·85	+5·37·85	+5·41·35	+5·44·35	+5·44·45	+5·40·40	+5·40·40	+5·46·50	+5·49·85	+5·42·80	+5·42·20
	3	+5·40·10	+5·34·95	+5·31·10	+5·35·50	+5·35·30	+5·35·50	+5·36·70	+5·36·70	+5·36·70	+5·37·70	+5·40·70	+5·40·70
	4	+5·32·20	+5·26·25	+5·26·25	+5·32·50	+5·32·20	+5·32·20	+5·32·20	+5·32·20	+5·32·20	+5·35·80	+5·35·80	+5·43·60
	5												
	6	+6·15·40	+6·15·40	+6·15·40	+6·23·80	+6·23·80	+6·23·90	+6·20·55	+6·20·55	+6·20·55	+6·27·60	+6·27·60	+6·27·60
	7	+6·16·90	+6·10·85	+6·10·85	+6·14·90	+6·14·90	+6·14·90	+6·14·90	+6·14·90	+6·14·90	+6·14·90	+6·14·90	+6·14·90
	8	+6·05·30	+6·05·30	+6·05·30	+6·09·25	+6·09·25	+6·03·15	+6·03·15	+6·10·20	+6·10·20	+6·14·10	+6·14·10	+6·14·10
	9	+6·13·60	+6·06·95	+6·11·00	+6·13·00	+6·10·70	+6·10·70	+6·10·70	+6·10·70	+6·10·70	+6·12·20	+6·20·80	+6·20·80
	10	+6·18·80	+6·18·80	+6·14·15	+6·14·15	+6·14·90	+6·10·80	+6·10·80	+6·15·70	+6·10·90	+6·10·90	+6·12·00	+6·04·90
	11	+5·49·50	+5·41·65	+5·41·65	+5·46·30	+5·47·90	+6·00·00	+5·39·90	+5·49·40	+5·49·40	+5·39·00	+5·45·70	+6·02·00
	12												
	13	+5·37·55	+5·34·75	+5·34·75	+5·31·05	+5·31·20	+5·31·20	+5·37·25	+5·39·50	+5·39·50	+5·45·50	+5·37·10	+5·46·75
	14	+5·26·40	+5·32·40	+5·32·40	+5·32·95	+5·32·95	+5·32·95	+5·32·95	+5·39·15	+5·39·15	+5·39·15	+5·39·15	+5·39·15
	15	+5·39·80	+5·39·80	+5·39·80	+5·39·80	+5·39·80	+5·34·25	+5·34·25	+5·34·25	+5·45·05	+5·47·00	+5·47·00	+5·47·00
	16	+5·35·80	+5·37·65	+5·28·30	+5·18·30	+5·14·25	+5·14·25	+5·14·25	+5·14·25	+5·20·75	+5·23·80	+5·23·80	+5·19·10
	17	+6·02·90	+5·43·35	+5·43·35	+5·29·70	+5·24·20	+5·24·20	+5·16·25	+5·26·80	+5·26·80	+5·21·25	+5·14·30	+5·14·30
	18	+5·07·90	+5·10·40	+5·25·70	+5·21·40	+5·21·40	+5·21·40	+5·30·15	+5·30·15	+5·30·15	+5·37·50	+5·43·60	+6·03·80
	19												
	20	+5·19·00	+5·19·00	+5·19·00	+5·19·00	+5·13·20	+5·18·35	+5·18·35	+5·23·50	+5·23·50	+5·23·50	+5·23·50	+5·23·50
	21	+5·07·20	+5·10·90	+5·19·70	+5·26·30	+5·21·60	+5·21·60	+5·21·60	+5·21·60	+5·30·00	+5·34·10	+5·34·10	+5·34·10
	22	+5·08·40	+5·11·45	+5·20·15	+5·37·95	+5·05·85	+5·14·75	+5·24·15	+5·17·00	+5·17·00	+5·31·30	+5·32·70	+5·34·10
	23	+5·15·60	+5·11·00	+5·20·05	+5·20·05	+5·18·00	+5·18·00	+5·18·00	+5·18·00	+5·21·50	+5·29·80	+5·29·80	+5·29·80
	24	+5·14·70	+5·14·70	+5·21·30	+5·18·50	+5·18·50	+5·18·50	+5·25·00	+5·24·05	+5·27·75	+5·31·60	+5·31·60	+5·31·60
	25	+5·23·90	+5·23·90	+5·27·55	+5·31·00	+5·31·00	+5·33·35	+5·36·15	+5·36·15	+5·36·15	+5·41·50	+5·41·50	+5·37·00
	26												
	27	+6·04·25	+6·04·25	+6·04·25	+6·08·05	+6·08·05	+6·08·05	+6·08·05	+6·08·05	+6·08·05	+6·12·90	+6·12·90	+6·12·90
	28	+6·05·80	+6·01·90	+6·05·55	+6·05·55	+6·05·55	+6·00·55	+5·46·05	+5·46·05	+5·46·05	+5·49·30	+5·49·30	+5·49·30
	29	+5·42·90	+5·47·10	+5·46·55	+5·45·70	+5·45·70	+5·45·70	+5·45·70	+5·40·00	+5·40·00	+5·45·60	+5·45·60	+5·45·60
	30	+5·39·70	+5·39·70	+5·39·70	+5·39·70	+5·39·70	+5·39·70	+5·39·70	+5·39·70	+5·39·70	+5·46·90	+5·46·90	+5·40·40
	31												

THERMOMETER OF VERTICAL FORCE MAGNETOMETER.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
SEPTEMBER, 1846.	1	83°·6	83°·8	83°·1	84°·2	85°·0	85°·4	84°·5	84°·5	84°·5	84°·4	84°·0	83°·9
	2	86·6	85·5	84·0	84·7	85·3	85·5	85·3	85·1	85·0	84·7	84·5	84·5
	3	85·8	84·8	84·0	84·8	85·3	85·3	85·0	84·9	84·8	84·9	84·0	84·0
	4	87·0	86·0	85·2	85·3	85·6	85·8	85·5	85·3	85·0	84·9	84·8	85·0
	5												
	6	85·1	84·7	83·7	84·0	84·5	84·9	84·5	84·5	84·5	84·3	84·3	84·3
	7	86·4	85·3	84·7	85·2	85·5	85·8	85·0	84·8	84·7	84·7	84·5	84·6
	8	85·8	84·8	84·0	85·2	85·5	85·7	85·1	85·1	85·4	85·5	85·0	84·7
	9	84·9	84·5	83·2	84·7	85·2	85·0	84·5	84·5	84·5	83·9	83·9	84·0
	10	83·3	82·3	81·8	83·2	83·2	84·0	83·5	83·5	83·3	83·9	83·9	81·3
	11	84·8	84·3	83·2	84·2	84·5	84·5	84·9	84·6	84·9	85·0	84·5	84·5
	12												
	13	84·8	84·6	83·8	85·2	85·5	85·5	85·0	85·0	85·0	84·8	84·5	84·5
	14	85·8	84·7	84·2	84·8	85·0	85·0	85·0	84·8	84·7	84·5	84·5	84·8
	15	85·1	84·4	84·3	84·9	85·2	85·3	85·3	85·0	84·5	84·4	84·0	84·3
	16	83·0	82·5	83·2	85·0	85·5	85·3	85·3	85·3	85·4	84·8	84·4	84·8
	17	80·2	80·3	80·7	82·3	83·2	83·0	83·2	82·8	83·0	82·9	83·0	83·3
	18	84·5	84·0	83·3	84·5	84·5	84·7	84·6	84·6	84·7	84·4	83·5	82·8
	19												
	20	82·6	82·0	81·7	82·5	83·2	82·5	82·5	82·7	82·5	82·4	82·4	82·4
	21	81·5	80·5	79·7	80·7	81·7	81·6	81·6	82·0	82·0	81·8	81·8	82·0
	22	83·5	82·8	82·7	83·3	83·6	83·3	83·3	83·3	83·2	83·0	82·6	82·4
	23	85·6	84·7	83·5	84·0	84·2	84·3	84·3	84·4	84·0	83·8	83·2	83·3
	24	84·0	83·7	83·2	84·4	84·4	84·1	83·8	83·9	83·7	83·9	83·7	83·7
	25	86·8	85·8	84·9	85·2	85·2	84·8	84·5	84·3	84·4	84·5	84·5	83·9
	26												
	27	86·3	86·0	85·4	85·7	85·8	85·2	85·0	85·0	84·5	84·0	84·0	84·0
	28	86·5	85·8	85·2	84·8	86·2	86·4	86·0	85·5	85·5	85·1	84·8	84·8
	29	86·7	86·0	85·3	86·4	86·8	87·0	86·9	86·0	86·0	85·4	85·2	85·4
	30	85·9	85·2	85·0	85·6	85·3	85·0	85·1	85·1	85·0	84·7	84·5	84·4
	31												

VERTICAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
SEPTEMBER, 1846.	1	+5·41·70	+5·42·20	+5·49·50	+5·49·50	+5·43·20	+5·32·60	+5·27·80	+5·36·10	+5·28·95	+5·28·95	+5·28·95	+5·37·20
	2	+5·49·00	+6·00·50	+6·07·40	+6·07·40	+5·42·15	+5·30·40	+5·25·45	+5·25·45	+5·31·80	+5·44·30	+5·44·30	+5·44·30
	3	+5·49·75	+5·45·60	+5·49·60	+6·01·95	+5·37·60	+5·17·10	+5·12·60	+5·17·40	+5·17·40	+5·30·10	+5·38·50	+5·32·30
	4	+5·43·60	+5·39·05	+6·09·20	+6·09·20	+5·43·85	+5·27·70	+5·22·45	+5·25·00	+5·37·10	+5·43·70	+5·48·60	+5·48·60
	5												
	6	+6·35·50	+6·32·75	+6·45·20	+6·45·20	+6·28·10	+6·39·15	+6·27·25	+6·26·75	+6·27·95	+6·13·20	+6·16·90	+6·16·90
	7	+6·14·90	+6·14·90	+6·29·10	+6·29·10	+6·10·20	+5·33·00	+5·05·95	+5·05·95	+5·15·00	+5·23·65	+5·36·45	+6·00·60
	8	+6·14·10	+6·23·20	+6·31·45	+6·31·45	+6·18·30	+5·49·90	+5·35·80	+5·35·80	+5·35·80	+5·41·30	+6·01·30	+6·09·80
	9	+6·23·10	+6·24·95	+6·32·40	+6·32·40	+6·18·70	+6·02·70	+6·01·35	+6·01·35	+6·01·35	+6·03·60	+6·12·60	+6·18·80
	10	+6·05·10	+6·12·50	+6·22·65	+6·24·65	+6·10·55	+5·29·35	+5·18·20	+5·18·20	+5·18·20	+5·21·60	+5·33·60	+5·40·90
	11	+6·02·00	+6·01·40	+6·16·00	+6·20·30	+6·07·10	+5·33·90	+5·23·40	+5·20·25	+5·20·25	+5·32·25	+5·43·40	+5.46·50
	12												
	13	+5·46·75	+5·48·45	+6·09·40	+6·09·40	+5·37·70	+5·18·55	+5·05·45	+5·12·05	+5·18·60	+5·21·10	+5·26·40	+5·26·40
	14	+5·39·15	+5·49·90	+5·49·90	+6·04·05	+5·38·70	+5·33·70	+5·23·30	+5·23·30	+5·23·30	+5·23·30	+5·30·20	+5·30·20
	15	+5·47·00	+5·47·00	+6·07·20	+6·09·65	+5·47·35	+5·37·80	+5·19·00	+5·19·00	+5·16·15	+5·25·40	+5·34·30	+5·40·40
	16	+5·18·10	+5·19·45	+5·36·60	+5·43·55	+5·36·90	+5·27·50	+5 20·75	+5·16·15	+5·23·80	+5·25·85	+5·34·85	+5·46·25
	17	+5·14·30	+5·14·30	+5·32 95	+5·32·95	+5·21·35	+5·08·60	+4·38·45	+4·16·50	+4·16·50	+4·49·80	+5·03·80	+5·03·80
	18	+6·03·80	+6·03·80	+6·10·40	+6·10·40	+5·43·40	+5·30·20	+5·35·00	+5·35·00	+5·07·80	+5·19·75	+5·47·75	+5·47·75
	19												
	20	+5·23·50	+5·07·65	+5·38·45	+5·38·45	+5·38·45	+5·09·55	+5·07·10	+5·07·10	+5·16·75	+5·24·30	+5·24·30	+5·16·65
	21	+5·34·10	+5·39·10	+5·40·20	+5·40·20	+5·31·60	+5·17·75	+5·02·25	+4·45·60	+5·06·00	+5·11·95	+5·50·81	+5·15·30
	22	+5·27·10	+5·36·65	+5·42·00	+5·42·00	+5·36·70	+5·26·15	+5·18·75	+5·13·25	+5·21·45	+5·17·60	+5·17·60	+5·15·60
	23	+5·29·80	+5·30·60	+5·34·05	+5·38·10	+5·31·85	+5·22·60	+5·11·50	+5·08·25	+5·08·25	+5·00·00	+5·00·00	+5·10·60
	24	+5·31·60	+5·34·15	+5·40·50	+5·40·50	+5·37·60	+5·27·45	+5·19·85	+5·19·85	+5·19·85	+5·24·00	+5·27·50	+5·23·90
	25	+5·37·00	+5·40·00	+5·46·50	+5·46·50	+5·41·40	+5·37·05	+5·32·65	+5·26·10	+5·26·10	+5·26·10	+5·30·30	+5·30·30
	26												
	27	+6·12·90	+6·07·15	+6·07·15	+6·07·15	+6·10·10	+6·05·80	+6·05·80	+6·05·80	+6·05·80	+6·05·80	+6·05·80	+6·05·80
	28	+5·49·30	+5·48·55	+6 02·25	+6·02·25	+5·49·45	+5·45·60	+5·45·60	+5·40·00	+5·40·00	+5·42·90	+5·42·90	+5·42·90
	29	+5·45·60	+5·44·90	+5·44·90	+5·44·90	+5·44·90	+5·44·90	+5·44·90	+5·38·20	+5·38·20	+5·38·20	+5·38·20	+5·38·20
	30	+5·40·40	+5·40·40	+5·40·40	+5·49·60	+5·44·85	+5·39·90	+5·36·50	+5·36·50	+5·36·50	+5·36·50	+5·40·10	+5·40·10
	31												

THERMOMETER OF VERTICAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
SEPTEMBER, 1846.	1	83°·9	84°·0	82°·4	81°·8	82°·0	82°·7	83°·5	82°·5	83°·8	84°·9	85°·4	85°·9
	2	84·3	84·0	82·5	81·7	82·2	83·0	83·7	84·3	85·0	85·0	85·4	85·9
	3	84·4	84·5	82·6	82·0	82·5	83·0	83·5	84·4	85·0	85·3	85·9	86·5
	4	85·2	85·3	83·2	82·5	82·7	83·3	83·9	83·5	82·8	83·8	85·0	85·9
	5												
	6	84·7	84·3	82·7	82·0	82·0	82·6	83·0	84·0	84·5	85·1	85·9	86·0
	7	84·8	84·5	82·7	82·4	82·6	82·6	82·1	84 9	85·1	86·0	86·3	86·3
	8	84·5	84·5	83·2	82·6	82·7	83·5	84·5	85·0	86·0	86·5	86·9	86·0
	9	84·0	83·7	82·6	82·3	81·8	81·5	81·7	82·4	82·9	83·6	83·4	83·4
	10	84·4	83·8	82·6	81·7	81·7	82·4	81·9	83·0	84·0	84·9	85·5	85·1
	11	84·8	85·0	82·5	81·8	81·8	82 5	82·5	83·5	84·5	84·6	84·5	85·0
	12												
	13	84·5	84·2	82·8	82·4	82·5	83·0	83·5	83·5	84·5	84·5	85·3	86·1
	14	84·9	84·5	83·0	82·7	82·7	83·2	84·0	84·5	84·5	85·4	85·5	86·0
	15	84·5	84·3	82·7	82·5	82·5	82·6	83·7	84·0	83·9	84·0	83·2	82·9
	16	84·9	84·5	82·6	82 3	82·5	82·5	82·4	82·3	82·3	82·4	81·4	80·3
	17	83·0	83·0	81·5	81·1	81·2	81·5	82·4	83·5	83·9	83·6	83·9	84·8
	18	82·9	82·9	82·0	81·5	81·8	81·8	82·4	82·9	83·4	84·0	84·1	84·1
	19												
	20	82·4	82·0	81·2	80·8	78·8	79·0	80·0	78·4	79·6	79·9	80·2	81·0
	21	81·7	81·7	80·5	80·1	79·3	79·5	80·0	80·7	81·4	82·0	83·0	83·1
	22	82·3	81·9	81·5	80·7	—	—	—	—	82·4	83·3	84·0	85·0
	23	83·0	83·2	82·3	81·2	80·9	81·8	82·5	82·6	83·4	84·5	84·9	84·5
	24	83·9	83·5	81·7	81·2	81·4	82·0	83·0	83·6	84·0	84·8	85·3	85·9
	25	83·4	83·2	82·2	81·4	81·7	82·5	83·5	84·0	84·5	84·8	85·4	85·9
	26												
	27	84·0	84·2	82·9	81·8	81·8	82·8	84·0	84·5	85·0	85·5	86·2	86·8
	28	84·5	84·3	82·7	82·0	82·7	83·2	84·2	84·6	85·0	85·5	86·3	86·6
	29	85·4	85·5	83·7	82·6	82·7	83·5	83·4	84·0	84·9	85·4	86·2	85·6
	30	84·0	83·7	82·5	81·8	82·3	83·0	84·0	84·8	85·0	85·4	85·9	86·5
	31												

VERTICAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
OCTOBER, 1846.	1	+5·40·10	+5·40·10	+5·43·00	+5·43·00	+5·40·85	+5·40·85	+5·40·85	+5·40·85	+5·40·85	+5·40·85	+5·40·85	+5·40·85
	2	+5·35·00	+5·35·00	+5·35·00	+5·35·00	+5·35·00	+5·31·90	+5·31·90	+5·31·90	+5·31·90	+5·37·80	+5·37·80	+5·37·80
	3												
	4	+5·31·00	+5·31·00	+5·31·00	+5·31·00	+5·31·00	+5·31·00	+5·31·00	+5·31·00	+5·34·60	+5·34·60	+5·34·60	+5·34·60
	5	-0·16·00	-0·19·30	-0·11·35	-0·11·35	-0·11·35	-0·00·95	-0·00·95	+0·04·70	+0·07·45	+0·11·90	+0·11·90	+0·02·50
	6	+0·23·70	+0·09·90	+0·15·65	+0·18·10	+0·14·45	+0·21·25	+0·21·25	+0·21·25	+0·21·25	+0·21·25	+0·11·70	+0·18·20
	7	+0·19·60	+0·14·00	+0·22·70	+0·23·70	+0·22·75	+0·06·80	+0·03·30	+0·03·30	+0·03·30	+0·13·70	+0·15·60	+0·15·60
	8	+0·32·30	+0·30·30	+0·35·65	+0·24·15	+0·24·15	+0·27·65	+0·26·50	+0·29·75	+0·21·00	+0·26·10	+0·26·40	+0·26·40
	9	+0·19·60	+0·17·70	+0·23·65	+0·21·30	+0·06·30	-0·00·50	+0·06·50	+0·10·50	+0·05.55	-1·45·05	+0·16·70	+0·16·70
	10												
	11	+1·04·95	+0·43·40	+0·47·65	+1·06·00	+0·47·40	+0·44·35	+1·12·00	+1·12·00	+1·12·00	+1·16·40	+1·16·40	+1·02·50
	12	+1·19·00	+1·19·15	+1·19·15	+1·13·00	+1·11·80	+1·10·90	+1·10·90	+1·09·60	+1·01·15	+1·08·00	+1·08·00	+1·08·00
	13	+0·41·70	+0·41·70	+0·47·30	+0·41·65	+0·36·85	+0·36·85	+0·34·10	+0·34·10	+0·32·85	+0·32·85	+0·38·90	+0·38·90
	14	+0·15·00	+0·11·40	+0·18·50	+0·18·50	+0·21.50	+0·14·15	+0·14·15	+0·14·15	+0·14·15	+0·14·15	+0·14·15	+0·14·15
	15	+0·25·65	+2·08·45	+0·11·60	+0·10·45	+0·07·10	+0·03·40	-0·01·70	-0·04·05	-0·09·25	+0·00·40	+0·00·40	+0·00·40
	16	-0·08·40	-0·08·40	+0·00·90	-0·02·95	-0·02·95	-0·02·95	+0·02·90	+0·01·60	+0·01·60	-0·03·90	+0·03·10	+0·03·10
	17												
	18	+1·33·20	+1·23·00	+2·17·05	+1·41·40	+1·31·45	+1·36·20	+1·42·50	+1·30·40	+1·30·40	+1·30·40	+1·39·10	+1·39·10
	19	+1·34·00	+1·31·10	+1·38·80	+1·38·80	+1·49·50	+1·39·70	+1·39·70	+1·37·20	+1·39·35	+1·39·35	+1·43·10	+1·43·10
	20	+2·20·90	+2·12·25	+2·19·20	+2·19·20	+2·19·20	+2·22·50	+2·21·30	+2·21·30	+2·21·30	+2·21·30	+2·25·20	+2·16·50
	21	+2·02·40	+1·48·25	+1·48·25	+1·45·40	+1·39·75	+1·37·90	+1·33·50	+1·35·60	+1·29·85	+1·28·50	+1·28·50	+1·33·75
	22	+1·26·30	+1·26·40	+1·34·30	+1·38·25	+1·44·20	+2·34·70	+2·40·90	+2·42·00	+2·39·00	+2·43·50	+2·43·50	+2·49·30
	23	+2·26·60	+2·15·15	+2·18·70	+2·15·75	+2·48·50	+2·33·00	+2·28·70	+2·24·85	+2·27·10	+2·32·70	+2·32·70	+2·23·50
	24												
	25	+2·33·25	+2·27·10	+2·33·20	+2·37·20	+2·39·20	+2·38·80	+2·38·80	+2·38·80	+2·11·10	+2·38·70	+2·38·70	+2·38·70
	26	-5·04·30	-4·48·30	-4·24·85	-4·37·00	-4·37·00	-4·40·00	-4·23·35	-3·23·35	-4·19·20	-4·11·30	-4·16·20	-4·35·60
	27	-4·33·60	-4·45·50	-4·18·80	-4·35·35	-4·21·00	-4·31·60	-4·00·05	-3·39·00	-3·39·00	-4·34·60	-4·08·90	-4·33·90
	28	-5·06·80	-4·48·05	-4·24·75	-4·29·20	-4·38·20	-4·01·50	-3·38·95	-3·38·95	-3·33·60	-3·24·30	-3·36·20	-3·29·80
	29	-4·29·80	-4·12·00	-4·13·05	-4·22·20	-4·10·80	-3·36·50	-3·22·00	-3.22·00	-3·22·00	-3·48·60	-4·14·10	-4·14·10
	30	-4·42·60	-4·12·10	-3·37·35	-3·47·20	-3·36·10	-3·35·80	-3·35·80	-3·39·45	-3·24·35	-4·11·50	-3·38·30	-3·46·60
	31												

THERMOMETER OF VERTICAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
OCTOBER, 1846.	1	86°·1	86°·2	85°·7	85°·3	85°·5	85°·3	85°·3	84°·1	85°·2	84°·4	84°·0	84°·0
	2	85·9	85·3	84·7	85·3	85·3	85·5	85·0	84·6	84·5	83·9	83·5	83·2
	3												
	4	86·0	85·2	85·4	86·2	86·3	85·5	85·5	85·5	85·3	85·0	85·0	85·0
	5	—	86·2	85·8	87·2	87·2	87·0	87.0	86·3	86·1	85·8	85·4	85·5
	6	86·9	86·2	86·2	86·5	86·5	86·1	86·1	86·3	86·4	86·5	86·9	86·4
	7	88·3	87·5	86·2	86·8	86·8	87·0	87·5	87·5	86·8	86·8	86·4	86·4
	8	87·9	87·0	86·8	88·1	87·3	86·2	86·0	86·1	86·0	85·5	84·9	84·9
	9	85·6	85·4	85·3	85·8	85·8	85·3	84·0	84·5	84·5	85·0	84·5	84·9
	10												
	11	87·1	87·2	86·7	87·5	87·8	87·9	87·1	87·0	86·6	86·3	86·0	85·9
	12	87·9	87·4	86·8	87·7	87·8	87·6	87·1	87·0	87·4	86·8	86·4	86·0
	13	87·9	86·8	86·7	87·5	87·7	87·0	86·1	86·0	86·0	85·5	84·9	84·4
	14	87·0	86·3	86·2	86·7	86·7	86·0	85·5	85·6	85·6	85·7	84·8	84·5
	15	89·7	88·5	88·2	88·7	88·7	88·5	88·0	87·6	87·8	87·2	86·8	86·8
	16	87·2	86·5	86·7	87·7	88·2	87·7	87·0	87·0	87·0	87·0	86·5	86·5
	17												
	18	89·2	88·4	88·3	89·3	89·6	89·2	89·0	88·5	88·0	88·0	87·2	86·9
	19	88·9	88·3	88·5	89·2	89·0	88·6	88·5	88·5	88·0	87·4	87·1	86·8
	20	89·1	87·9	87·7	88·4	88·7	88·0	87·6	87·4	87·0	86·8	85·0	85·8
	21	89·2	87·8	87·8	88·4	88·7	88·5	88·5	88·0	87·7	87·4	87·0	86·8
	22	86·0	85·7	86·6	87·0	86·6	86·6	86·6	86·3	86·0	86·0	85·5	85·0
	23	88·5	86·8	86·5	87·0	87·5	87·6	87·2	86·9	86·9	85·9	85·5	85·0
	24												
	25	86·2	85·2	85·3	86·2	86·3	85·8	85·5	85·7	85·8	85·4	84·9	84·9
	26	86·3	85·2	85·0	85·7	86·2	85·5	85·5	85·6	85·9	85·0	84·9	84·5
	27	85·4	84·5	84·5	85·6	85·7	85·5	85·2	85·3	85·5	85·5	84·5	84·1
	28	86·1	85·2	84·7	85·4	85·7	84·5	84·9	84·9	84·6	84·5	84·5	84·5
	29	86·3	85·2	84·9	85·3	85·6	85·2	85·1	84·9	84·5	84·5	84·0	83·9
	30	85·9	85·0	84·7	85·2	85·3	85·0	85·5	85·5	84·9	84·4	83·9	83·9
	31												

VERTICAL FORCE MAGNETOMETER.

	Date. Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
OCTOBER, 1846.	1	+5·40·85	+5·40·65	+5·40·65	+5·40·65	+5·40·65	+5·36·10	+5·32·65	+5·32·65	+5·32·65	+5·35·00	+5·35·00	+5·35·00
	2	+5·37·80	+5·37·80	+5·37·80	+5·43·30	+5·41·05	+5·36·40	+5·30·90	+5·28·60	+5·28·60	+5·31·00	+5·31·00	+5·31·00
	3												
	4	+5·34·60	+5·34·60	+5·34·60	+5·34·60	+5·32·30	+5·30·20	+5·30·20	—	-1·10·75	-0·26·50	-0·07·70	-0·04·20
	5	+0·02·50	-0·01·50	+0·12·10	+0·15·95	-0·04·90	-1·03·00	-1·25·45	-1·23·60	-1·00·10	-0·16·75	+0·08·80	+0·23·70
	6	+0·15·80	+0·19·95	+0·33·15	+0 33·00	+0 13·40	-0·12·60	-0·32·70	-0·32·70	-0·25·35	-0·07 60	+0·11·30	+0·19·60
	7	+0·05·50	+0·18·40	+0·30·50	+0·27·95	+0·10·70	+0·01·20	-0·04·65	-0·10·75	-0·14·60	+0·13·70	+0·19·50	+0·24·30
	8	+0·26·40	+0·32·50	+0·34·70	+0·28·65	+0·19·50	+0·07·90	+0·00·35	-0·05·60	-0·08·30	+0·08·90	+0·18·70	+0·12·00
	9	+0·16·70	+0·16·70	+0·28·00	+0·35·40	+0 23·90	+0·04·65	-0·06·75	-0·10·15	-0·09·05	+0·09·10	+0·17·50	+0·24·40
	10												
	11	+1·10·20	+1·10·20	+1·16·50	+1·20·10	+1·06·85	+0·32 25	+0·31·30	+0·33·80	+0·43·35	+1·10·00	+1·12·60	+1·19·00
	12	+1·14·10	+1·15·80	+1.10·90	+1·10·90	+0·37·90	+0·18·40	+0·04·40	-0·04·50	+0·03·90	+0·19·40	+0·29·20	+0·41·70
	13	+0·32·20	+0·32·20	+0·32·20	+0·32·20	+0-25·00	+0·11·75	+0·03·90	-0·07·35	+0·01·40	+0·15·00	+0·26·25	+0·26·25
	14	+0·14·15	+0·08·15	+0·12·85	+0·08·80	+0·02·80	-0·11·45	-0·15·50	-0·26·00	-0·26·00	-0·08·50	-0·09·35	-0·03·30
	15	+0·00·40	+0 00·40	+0·00·40	+0·04·50	+0·00·65	-0·08·60	-0·12·75	-0·12·75	-0·07·00	-0·04 20	-0·03·20	-0·02·50
	16	+0·03·10	-0·01·10	+0·01·35	+0·09 05	+0·01·90	-0·17·85	-0·22·50	-0·23·40	-0·10·95	+0·12·00	+0·17·50	+0·11·20
	17												
	18	+1·46·20	+1·38·00	+1·41·80	+1·39·50	+1·19·00	+0·23·05	+0·05·55	+0·09·10	+0·48·30	+1·12·00	+1·24·20	+1·27·30
	19	+1·33·50	+1·43·85	+1·34·45	+1 42·80	+1·46·20	+1·12·20	+0·29·50	+0·21·00	-0·09·75	+1·24·30	+1·38·60	+1·42·30
	20	+2·16·50	+2·12·55	+2·10·35	+2·10·35	+1·47·50	+1·37·40	+1·17·30	+1·17·30	+1·40·70	+2·00·00	+2·02·40	+2·02·40
	21	+1·35·80	+1·34·15	+2·04·15	+1·47·85	-1·26·50	+1·13·55	+1·04·95	+1·04·30	+1·18·00	+1·26·30	+1·32·70	+1·36·60
	22	+2·31·40	+2·35·65	+2·35·65	+2·38·60	+2·20·45	+2·02·15	+1·40·95	+1·45·35	+2·07·20	+2·21·70	+2·21·70	+2·26·60
	23	+2·23 50	+2·25·10	+2·33·20	+2·33·20	+2·19·95	+2·02·50	+1·39·90	+1·39·90	+1·49·60	+2·07·30	+2·20·70	+2·24·00
	24												
	25	+2·35·50	+2·36·10	+2·36·10	+2·33·85	+2·15·50	+1·49·50	+2·01·35	+2·10·35	+2·23·80	-4·49·60	-4·29·10	—
	26	-4·23·50	-4·20·80	-4·29·30	-4·23·55	-5·46·55	-6·19·30	-6·26·60	-6·13·65	-5·28·50	-4·43·00	-4·20·10	-4·19·80
	27	-4·36·70	-4·21·00	-4·11·00	-4·23·10	-5·42·70	-6·20·50	-6·20·50	-6·14·10	-5 23·80	-5·05·80	-4·32·90	-4·32·90
	28	-3·42·80	-4·05·00	-3·35·60	-3·40 50	-4·47·00	-5·48·85	-6·38·30	-6·19.75	-5·30·40	-4·22·90	-4·10·30	-4·29·80
	29	-3·49·30	-3·42·30	-3·42·30	-3·43·10	-5·05·70	-5·25·45	-5·41.50	-5·37·30	-4·47·50	-4·27·00	-4·20·70	-4·34·10
	30	-2·45·10	-2.48·70	-3·21·05	-2·48·10	-4·22·30	-5·23·70	-5·39·10	-5·32·30	-5·04·45	-3·47·50	-3·26 60	—
	31												

THERMOMETER OF VERTICAL FORCE MAGNETOMETER.

	Date. Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
OCTOBER, 1846.	1	83°·9	83°·8	82°·6	81°·7	82°·2	83°·1	84°·0	84°·0	84°·3	84°·8	85°·4	85°·6
	2	82·8	82·5	81·5	81·0	81 7	82·5	84·0	84·2	84·4	84·5	85·0	85·7
	3												
	4	85·4	84·7	83·7	83·2	83·8	84·0	84·7	—	86·0	86·6	87·5	87·4
	5	86·0	85·8	84·0	83·0	83·0	84·5	86·0	87·0	87·6	87·9	88·2	87·9
	6	86·5	86·2	84·8	84·2	84·7	85·5	85·6	85·6	86·5	86·9	87·3	88·4
	7	86·6	86·2	84·6	83·6	83·5	84·0	85·2	86·0	86·5	87·3	88·0	88·6
	8	85·0	84·7	84·7	82·6	82·8	83·5	84·0	84·5	84·8	85·2	85·5	85·5
	9	85·0	85·1	84·0	82·8	82·6	83·0	83·5	84·7	85·5	86·1	86·8	87·4
	10												
	11	85·5	86·2	84·5	83·7	83·8	84·5	85·0	86·0	86·3	86·4	87·9	88·1
	12	85·5	85·2	83·7	82·7	82·8	83·6	84·7	85·0	85·6	85·9	87·2	87·6
	13	83·9	83·7	82·5	81·7	81·8	82·6	83·7	84·5	85·2	86·0	86·8	87·5
	14	84·5	84·0	82·6	82.3	82·7	84·0	84·9	86·0	87·2	88·2	89·2	90·0
	15	86·8	86·8	85·3	84·7	84·2	84·3	84·8	85·3	86·5	88·5	88·1	87·6
	16	86·9	86·7	85·2	84·7	84·7	85·0	86·0	87·0	88·0	88·4	89·0	89·4
	17												
	18	86·9	87·2	85·2	84·7	84·8	85·8	86·6	86·5	87·0	87·6	88·2	88·9
	19	86·5	86·0	84·5	83·8	84·0	85·0	85·8	86·7	87·5	87·9	88·2	89·4
	20	85·4	85·2	83·3	82·7	83·3	84 5	85·7	87·0	87·6	88·6	89·4	89·6
	21	86·2	85·7	85·1	83·2	83·2	84·4	85·3	85·9	86·4	87·0	87·0	86·4
	22	85·3	85·3	83·4	82·6	82·8	83·7	84·4	85·0	86·0	86·9	87·5	88·0
	23	84·9	84·9	83·2	82·5	82·7	83·5	84·9	85·5	86·0	86·8	87·5	88·2
	24												
	25	84·9	84·8	83·7	82·5	82·8	84·0	84·2	84·5	85·0	85.6	86·3	—
	26	84·4	83·8	82·7	82·2	82·7	83·3	83·5	84·0	84·3	84·9	85·2	85·7
	27	84·4	84·0	82·7	81·7	81·6	82·5	83·5	84·5	84·5	85·0	85·5	86·0
	28	84·5	84·2	82·4	81·2	81·6	82·5	83·6	84·5	85·0	85·4	86·1	86·4
	29	83·5	83·0	81·8	80·8	81·2	82·3	83·5	84·4	84·6	85·0	85·6	86·0
	30	83·2	82·7	80·9	80·4	80·7	81·5	82·8	84·3	85·1	85·2	85·5	—
	31												

VERTICAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
NOVEMBER, 1846.	1	-4·46·85	-4·31·60	-4·05·20	-3·49·50	-4·38·40	-4·31·05	-4·13·70	-4·13·70	-3·49·95	-4·25·90	-4·25·90	-4·21·20
	2	-4·27·70	-4·14·05	-3·45·95	-3·43·85	-3·47·50	-3·32·60	-2·23·40	-3·18·85	-3·18·85	-3·31·50	-4·00·60	-3·45·90
	3	-4·22·40	-4·15·50	-3·49·35	-3·44·85	-4·14·70	-4·19.15	-4·19·15	-4·19·15	-4·28·65	-4·17·30	-4·00·70	-4·15·90
	4	-3·28·50	-3·35·65	-3·04·70	-3·24·30	-3·30·35	-3·36·00	-3·39·00	-3·27·35	-3·37·00	-3·36·20	-3·38.00	-3·30·40
	5	-3·10·50	-3·20·50	-3·20·50	-3·37·75	-3·46·00	-4·14·65	-3·34·40	-3·33·90	-3·33·90	-3·42·60	-3·31·00	-3·30·20
	6	-3·40·10	-3·44·30	-3·43·80	-3·43·80	-3·43·80	-3·32·85	-3·23·85	-3·09·15	-3·12·20	-3·48·00	-3·35·20	-3·35·20
	7												
	8	-3·32·00	-2·32·00	-2·20·80	-2·04·40	-2·16·15	-2·17·00	-2·17·00	-2·17·00	-2·29·20	-2·21·00	-2·21·00	-2·28·00
	9	-2·34·50	-3·13·50	-3·13·50	-3·24·90	-3·40·05	-4·12·30	-3·41·45	-3·41·45	-3·23·90	-3 20·50	-3·36·55	-3·44·50
	10	-3·38·10	-3·38·10	-3·34·00	-3·34·00	-3·37·00	-3·38·20	-3·40·10	-3·49·75	-4·04·75	-4·11·60	-4·14 60	-4·34·10
	11	-5·18·80	-5·18·80	-6·09·50	-5·17·50	-5·17·50	-5·26·25	-5·31·10	-5·36·40	-5·06·80	-5·17·10	-5·17 10	-5·31·60
	12	-5·29·40	-5·12·05	-4·39·65	-4·47·55	-4·47·55	-5·19·50	-4·39·45	-4·39·45	-5·07·40	-5·33·00	-5·19·00	-4·45·60
	13	-5·13·40	-5·25·00	-5·25·00	-5·32·30	-5·41·80	-6·26·40	-6·05·50	-5·31·60	-5·31·60	-5·31·60	-5 22·30	-5·30·10
	14												
	15	-6·05·00	-6·15·85	-5·40·45	-5·30·25	-5·32·90	-5·45·50	-5·31·50	-5·24·85	-5·24·85	-5·17·80	-5·25·30	-5·27·60
	16	-6·37·80	-6·29·50	-6·34·00	-6·24·75	-6·45·90	-7·08·40	-7·08·40	-7·03·55	-6·42·35	-6·42·35	-6·19·30	-6·27·30
	17	-6·38·40	-6·32 70	-6·16·95	-6·24·30	-6·27·75	-6·21·50	-6·23·25	-5·42·10	-6·23·85	-6·33·65	-6·12·30	-5·45·30
	18	-6 07·20	-6·08·60	-5·20·00	-5·33·85	-5·33·85	-5·39·80	-5·24·80	-5·29·25	-5·19·70	-5·07·00	-5·07·00	-4·44·80
	19	-7·02·90	-6·32·60	-6·21·45	-6·19·25	-6·23·60	-6·21·55	-6·17·90	-6·14·75	-6·30·25	-7·05·50	-6·33·00	-6·22·80
	20	-5·10·00	-5·18·70	-5·23·30	-5·18·90	-5·04·75	-5·10·80	-5·08·00	-5·08·00	-5·16·00	-5·23·80	-5·03·10	-5·32·90
	21												
	22	-6·04·05	-5·37·50	-5·34·15	-5·34·15	-5·34·15	-5·22·60	-5·29·40	-5·29·40	-5·08·70	-5·01·20	-5·10·50	-5·18·20
	23	-5·45·20	-5·37·05	-5·21·30	-5·16·65	-5·24·60	-5·20·55	-5·20·50	-5·20·50	-5·20·50	-5·20·50	-5·20·50	-5·41·60
	24	-5·17·80	-5·11·25	-5·06·95	-5·11·65	-5·13·70	-5·24·25	-4·42·50	-4·42·50	-4·45·00	-5·10·30	-4·32·70	-4·32·70
	25	-4·14·00	-4·09·50	-3·21·40	-3·21·55	-3·24·45	-3·46·60	-4·12·35	-4·15·70	-4·06·65	-4·14·00	-4·05·50	-3·41·10
	26	-4·04·80	-4·21·45	-4·07·55	-4·16·05	-4·14·90	-4·09·55	-3·47·70	-5·07·10	-4·37·00	-3·46·50	-4·00·40	-4·01·10
	27	-4·12·50	-4·01·60	-3·39·80	-4·19·85	-4·19·85	-3·38·25	-4·17·50	-4·05·10	-4·02·90	-4·16·30	-4·35·80	-4·34·60
	28	-4·18·60	-3·37·80	-3·43·90	-4·05·15	-4·15·50	-4·02·30	-4·09·50	-4·12·60	-4·02·45	-4·15·90	-4·05·60	-4·02·30
	29												
	30	-3·32·20	-3·49·10	-3·34·60	-4·03·25	-4·27·65	-3·40·45	-3·43·45	-4·08·45	-4·08·45	-3·49·10	-2·34·30	-2·30·30
	31												

THERMOMETER OF VERTICAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
NOVEMBER, 1846	1	84°·7	84·6	84°·2	84·8	85°·2	85°·2	85°·0	85·0	84°·5	84°·1	33·9	83°·7
	2	89·4	88·3	87·6	88·2	88·3	88·5	87·1	86·2	86·0	86·0	85·9	85·9
	3	88·0	87·0	86·6	87·2	87·1	86·8	86·5	86·5	86·2	85·7	85·4	85·0
	4	87·3	86·2	85·4	86·0	86·2	86·0	86·0	85·5	85·0	85·0	84·7	84·7
	5	85·7	85·0	84·8	85·3	85·5	85·5	85·5	85·6	85·5	85·0	84·5	85·0
	6	85·0	84·5	84·7	85·3	85·5	85·0	85·1	85·2	85·0	85·5	85·2	85·0
	7												
	8	86·3	85·8	85·7	85·7	85·7	85·0	84·9	84·9	84·7	84·5	84·0	84·0
	9	86·9	85·0	85·0	85 2	85·2	85·0	84·5	84·0	83·9	83·5	83·0	82·9
	10	86·9	85·3	85·2	85·0	85·0	85·0	84·5	84·0	83·3	82 9	82·4	81·9
	11	85·5	84·3	84·0	84·6	84·6	84·5	84·0	83·3	82·7	82·9	82·5	82·4
	12	86·5	85·2	85·2	85·3	85·3	84·5	84·3	84·0	84·0	83·5	82·9	82·5
	13	86·6	85·2	85·3	85·5	85·5	85·3	84·5	84·0	83·6	83·5	82·9	82·5
	14												
	15	86·0	85·3	85·2	85·2	85·0	85·0	84·4	84 0	83·1	83·5	82·5	82·0
	16	86·0	84·7	84·1	84·2	84·5	84·0	83·9	83·5	83·0	82·7	82·0	81·8
	17	84·9	83·7	83·7	83·7	83·7	83·0	82·7	82·8	82·5	82·0	81·4	80·7
	18	86·5	84·7	83·8	83·8	83·8	83·0	82·6	82·0	82·0	82·0	81·7	81·0
	19	84·5	83·2	82·7	83·5	83·5	83·0	82·2	82·0	82·0	81·5	80·9	80·5
	20	83·4	82·5	82·0	82·0	82·2	81·8	81·5	81·5	81·5	81·4	80·9	80·7
	21												
	22	84·0	83·3	83·2	83·7	83·5	82·5	82·0	81·5	80·6	80·5	80·4	80·3
	23	85·5	84·5	83·7	83·7	83·7	83·0	82·5	82·3	82·0	81·8	81·5	80·9
	24	84·9	83·7	83·1	83·1	83·1	82·5	82·0	81·5	81·0	80·9	80·4	80·3
	25	84·5	83·0	82·4	82·5	82·4	82·0	81·5	81·0	80 5	80·4	79·8	79·5
	26	83·5	82·8	82·4	82·7	82·8	82·5	82·3	82·2	82·3	82·0	81·5	81·8
	27	85.8	84·5	84·6	85·2	85·4	85·0	84·9	84·8	84·8	84·5	84·4	84·3
	28	87·5	86·5	87·1	87·1	87·0	86·0	86·0	86·0	85·7	85·3	85·1	85·0
	29												
	30	85·2	85·0	86·2	87·3	87·9	87·0	87·5	87·9	88·0	87·0	86·0	85·9
	31												

VERTICAL FORCE MAGNETOMETER.

	Date. Göttingen Mean Time.	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
NOVEMBER, 1846.	1	–4·15·20	–4·24·40	–4·29·85	–4·13·30	–4·21·85	–5·25·95	–6·14·00	–6·14·00	–5·17·20	–4·26·70	–4·19·00	–4·16·60
	2	–4·27·55	–2·47·00	–3·38·90	–4·26·65	–5·02·50	–5·42·70	–5·25·35	–5·27·00	–4·32·70	–3·44·60	–3·30·60	–4·11·75
	3	–4·05·50	–4·09·20	–4·09·20	–3·45·20	–4·39·00	–5·08·00	–5·19·00	–5·38·60	–4·19·70	–3·37·50	–3·31·40	-3·31·40
	4	–3·42·70	–3·32·25	–3·32·25	–3·23 00	–4·14·50	–5·29·25	–6·11·10	–6·14·85	–4·49·25	–3·45·80	–3·14·10	–3·04·70
	5	–3·09·80	–3·45·45	–3·39·15	–3·32·00	–3·48·80	–5·07·85	–5·35·95	–5·39·50	–4·46·15	–3·38·00	–3·25·10	–3·25·10
	6	–3·20·10	–3·01·80	–2·47 85	–2·34·40	–3·05·55	–4·25·10	–5·10·20	–5·02·45	–4·08·15	–3·03·15	–2·27·60	–2·37·60
	7												
	8	–2·28·00	–2·32·70	–2·10·00	–2·47·90	–3·15·60	–4·09·10	–5·03·60	–5·07·00	–5·00·00	–4·35·50	–4·18·60	–3·48·00
	9	–3·43·80	–4·15·90	–3·45·60	–3·23·15	–3·36·40	–4·22·80	–5·09·55	–5·12·50	–4·28·80	–3·48·50	–3·41·50	–3·38·10
	10	–4·27·00	–4·11·10	–4·48·75	–4·39·00	–5·09·50	–6·18·75	–6·38·70	–7·00·70	–6·26·90	–6·13·60	–5·30·60	–5·11·90
	11	–5·08·00	–4·29·70	–5·22·90	–5·42·45	–5·25·50	–6·03·90	–6·33·90	–6·30·45	–6·21·15	–6·38·00	–6·25·70	–6·04·50
	12	–5·00·00	–5·14·00	–5·34·30	–5·11·70	–5·12·45	–5·35·85	–6·13·65	–6·02·50	–5·46·30	–5·40·20	–5·23·80	–5·17·10
	13	–6·20·00	–5·39·95	–5·30·50	–5·27·40	–5·17·70	–5·17·70	–6·00·75	–6·20·40	–6·26·95	–6·26·95	–6·12·30	–6·05·00
	14												
	15	–5·42·30	–5·42·30	–6·06·60	–5·46·20	–6·06·50	–6·25·20	–7·02·50	–7·06·05	–7·11·05	–7·04·90	–6·45·40	–6·45·40
	16	–6·41·10	–6·41·70	–6·22·00	–5·38·65	–5·38·65	–6·10·50	–7·12·20	–7·21·15	–7·00·30	–6·28·10	–6·28·10	–6·38·80
	17	–5·37·00	–5·22·80	–5·16·30	–5·17·55	–5·18·05	–6·03·00	–6·21·10	–6·16·50	–6·16·50	–6·04·80	–6·30·30	–6·30·30
	18	–5·17·00	–5·24·10	–5·34·80	–6·03·50	–6·18·85	–7·10·55	–7·17·50	–7·35·35	–7·24·50	–7·09·85	–6·39·00	–6·45·70
	19	–6·22·80	–6·47·85	–6·28·65	–6·17·50	—	–5·04·20	–5·24·85	–5·49·00	–5·34·00	–4·47·70	–4·32·50	–4·30·60
	20	–5·23·90	—	–5·23·90	–5·23·90	–5·49·55	–6·07·30	–6·26·85	–6·08·00	–5·21·55	–5·10·25	–4·41·30	–5·12·30
	21												
	22	–4·32·10	–4·23·30	–4·33·40	–5·10·75	–4·48·85	–6·06·05	–6·33·20	–7·02·00	–6·30·10	–6·11·20	–6·25·00	–6·18·20
	23	–5·29·40	–5·19·25	–5·25·50	–5·20·50	–5·10·35	–5·24·05	–5·28·60	–5·22·00	–5·17·75	–5·19·10	–5·19·10	–5·25·00
	24	–4·29·90	–5·10·20	–4·12·50	–4·12·50	–4·19·00	–4·19·00	–4·22·60	–4·15·85	–4·35·00	–4·32·70	–4·28·50	–4·14·00
	25	–3·10·60	–3·22·50	–3·31·40	–3·38·00	–3·33·40	–3·33·40	–4·02·85	–4·04·15	–4·42·80	–4·29·00	–4·13·75	–4·22·20
	26	–3·44·70	–4·04·65	–4·24·75	–4·00·80	–4·22·00	–4·34·00	–5·18·15	–5·17·65	–5·30·65	–5·01·10	–4·33·00	–4·18·60
	27	–4·30·10	–4·33·80	–4·21·10	–4·07·30	–3·48·85	–4·06·65	–4·26·90	–5·06·65	–5·01·85	–4·31·50	–3·40·90	–4·07·70
	28	–4·33·60	–4 40·65	–4·07·45	–3·31·45	–3·24·80	–3·45·40	–4·08·15	–4·14·65	–3·46·10	–3·15·50	–3·26·00	–3·48·60
	29												
	30	–3·04·10	–3·20·75	–3·06·55	–3·06·55	–2·46·65	–2·49·60	–2·48·50	–3·29·90	–3·29·90	-3·07·40	–2·45·70	–2·39·00
	31												

THERMOMETER OF VERTICAL FORCE MAGNETOMETER.

	Date. Göttingen Mean Time.	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
NOVEMBER, 1846.	1	83°·7	83°·0	82°·5	81°·7	81°·7	82°·0	83°·0	84°·3	86·1	87°·5	88°·5	89°·0
	2	85·9	85·5	84·5	82·7	82·6	83·4	84·2	85·1	85·8	86·5	87·2	87·9
	3	84·8	84·6	83·7	82·7	83·0	84·0	85·0	85·5	85·9	86·3	86·9	87·4
	4	84·4	83·8	82·7	81·7	82·2	83·0	84·4	85·2	85·3	85·5	86·0	86·1
	5	84·9	84·7	83·0	81·7	81·8	82·5	83·3	83·5	84·0	84·4	84·9	85·2
	6	84·9	84·8	83·8	82·6	82·7	83·4	84·1	84·5	84·5	85·0	85·3	85·8
	7												
	8	83·9	83·2	82·4	80·4	80·8	81·8	82·0	83·5	84·5	85·7	86·1	86·5
	9	82·8	82·5	81·7	79·7	80·0	81·0	82·3	83·5	85·0	86·6	87·5	87·8
	10	81·6	81·0	80·0	79·0	79·5	80·6	81·9	83·0	84·5	86·2	85·7	86·0
	11	81·7	81·5	81·0	78·7	79·2	80·4	82·0	83·5	85·0	86·7	88·0	88·2
	12	82·0	81·7	80·6	79·6	80·0	81·1	82·2	83·3	85·2	86·9	87·3	87·1
	13	82·0	81·7	81·0	79·6	80·2	81·1	82·0	84·0	86·3	87·2	87·1	87·0
	14												
	15	81·7	81·2	80·7	78·8	79·5	80·5	81·5	82·6	84·0	85·2	86·0	86·4
	16	81·3	81·0	79·7	78·2	78·3	79·5	80·4	81·4	82·8	84·1	84·6	84·8
	17	80·0	79·7	79·4	78·0	78·4	79·7	81·0	81·6	83·0	84·4	85·4	86·3
	18	80·9	80·2	79·6	78·2	78·3	79·0	80·0	81·0	82·0	83·4	84·4	84·8
	19	80·3	79·7	79·5	77·9	—	79·3	80·5	81·6	82·6	83·3	83·4	83·6
	20	80·5	—	79·8	78·2	78·4	79·3	80·5	81·2	81·6	82·4	82·8	83·2
	21												
	22	80·0	79·7	78·5	77·7	77·9	78·5	79·7	81·5	83·0	84·5	85·9	85·9
	23	80·4	79·7	78·7	77·8	77·6	78·2	79·5	81·0	82·5	83·9	85·0	85·5
	24	80·1	80.0	79·3	77·6	77·8	78·5	80·0	81·5	83·0	83·5	84·5	84·6
	25	78·8	78·6	78·6	76·0	76·0	77·0	78·3	80·0	81·6	83·4	83·1	83·3
	26	81·6	81·6	80·8	79·6	79·7	81·2	82·8	84·9	86·2	87·1	86·9	86·0
	27	84·0	83·6	83·6	81·4	81·7	82·5	83·7	84·6	86·0	87·0	87·5	87·5
	28	84·8	84·9	84·3	82·4	82·3	82·5	83·0	84·0	84·2	84·8	85·6	86·3
	29												
	30	85·9	85·8	85·2	82·6	82·6	83·0	84·0	84·6	86·0	86·8	87·0	87·3
	31												

VERTICAL FORCE MAGNETOMETER.

DECEMBER, 1846.

Date. Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
1	—	– 3·05·30	– 2·25·00	– 2·21·80	– 2·27·05	– 3·04·75	– 2·27·45	– 2·12·70	– 2·08·20	– 2·11·70	– 2·12·60	– 2·12·60
2	– 2·41·80	– 2·19·70	– 2·00·50	– 2·09·25	– 2·14·50	– 2·07·25	– 2·03·20	– 1·47·70	– 2·36·60	– 2·14·20	– 1·34·10	– 1·29·50
3	– 2·41·60	– 2·29·60	– 2·26·30	– 2·26·30	– 2·05·45	– 2·10·55	– 2·17·95	– 2·11·20	– 2·23·40	– 2·26·50	– 2·22·50	– 2·37·10
4	– 3·26·50	– 3·13·50	– 2·43·70	– 2·41·25	– 3·12·05	– 3·42·75	– 3·46·65	– 3·36·60	– 3·11·65	– 3·25·10	– 2·48·70	– 3·19·90
5												
6	– 3·21·50	– 3·01·00	– 3·14·35	– 3·21·90	– 3·30·60	– 3·17·90	– 3·11·50	– 3·11·50	– 3·24·50	– 3·20·75	– 3·20·75	– 3·15·60
7	– 3·32·40	– 3·24·20	– 3·17·75	– 2·35·60	– 3·16·25	– 3·34·40	– 3·40·75	– 3·30·00	– 3·40·40	– 3·38·40	– 3·06·00	– 2·41·90
8	– 3·47·90	– 4·05·00	– 3·46·55	– 3·40·45	– 3·47·70	– 3·45·30	– 3·45·70	– 3·45·70	– 4·00·70	– 4·18·85	– 4·01·00	– 3·43·60
9	– 4·42·10	– 4·46·35	– 4·30·50	– 4·30·50	– 5·03·60	– 5·19·15	– 4·46·05	– 4·36·00	– 5·12·90	– 4·49·30	– 4·44·00	– 5·04·70
10	– 4·34·90	– 4·13·50	– 4·33·30	– 4·45·60	– 4·45·60	– 5·02·20	– 4·44·80	– 5·09·00	– 4·46·00	– 4·22·90	– 3·41·30	– 3·43·20
11	– 4·26·80	– 4·26·80	– 4·10·05	– 4·11·35	– 4·22·90	– 4·46·50	– 4·40·40	– 4·31·20	– 4·37·05	– 4·23·00	– 3·39·80	– 4·13·40
12												
13	– 3·36·90	– 3·29·15	– 2·47·70	– 3·35·50	– 4·00·45	– 3·40·30	– 3·40·30	– 3·48·55	– 4·19·15	– 4·35·40	– 4·03·75	– 3·25·50
14	– 4·00·10	– 4·19·00	– 4·00·50	– 4·00·50	– 4·22·60	– 4·35·15	– 4·35·15	– 4·43·70	– 4·43·75	– 4·25·10	– 4·04·00	– 4·04·00
15	– 4·25·60	– 4·22·70	– 3·44·00	– 3·39·95	– 4·14·75	– 4·14·75	– 4·27·75	– 4·27·75	– 4·31·30	– 4·41·20	– 4·03·00	– 3·44·20
16	– 4·07·60	– 4·11·95	– 4·02·00	– 4·09·95	– 4·07·65	– 4·07·65	– 4·02·50	– 3·47·10	– 3·47·10	– 3·26·50	– 2·49·60	– 2·49·60
17	—	—	—	—	—	—	—	—	—	—	—	—
18	—	—	—	—	—	—	—	—	—	—	—	—
19												
20	—	—	—	—	—	—	—	—	—	—	—	—
21	—	– 4·42·45	– 5·06·60	– 4·43·50	– 4·31·25	– 3·42·00	– 4·37·60	– 5·14·95	– 6·08·90	– 6·06·00	– 5·17·80	– 5·17·80
22	– 6·43·00	– 7·44·05	– 6·39·35	– 5·26·25	– 5·23·70	– 3·27·95	– 2·25·90	– 2·28·85	– 4·07·60	– 4·23·00	– 5·07·20	– 3·47·10
23	– 1·44·30	– 2·15·35	– 0·37·70	– 1·09·80	– 0·22·30	– 1·07·30	– 3·00·65	– 2·45·70	– 3·00·40	– 3·24·30	– 3·24·30	+ 0·36·10
24	+14·01·20	+13·30·65	+15·12·55	+15·13·20	+14·46·80	+16·38·00	—	—	—	—	—	—
25	+15·00·20	+13·28·50	+15·08.40	+13·38·35	+13·28·80	+14·04·05	+14·04·05	+14·19·95	+13·44·20	+15·13·30	+16·19·00	+16·19·00
26												
27	+ 4·26·20	+ 4·43·50	+ 5·26·10	+ 5·33·40	+ 6·28·75	+ 6·42·50	+ 6·15·25	+ 7·07·95	+ 6·32·10	+ 7·03·10	+ 7·31·20	+ 8·20·80
28	+ 7·18·00	+ 7·08·05	+ 7·07·00	+ 7·06·80	+ 6·08·70	+ 7·34·40	+ 7·06·55	+ 7·12·10	+ 7·40·50	+ 8·17·20	+ 8·17·20	+ 7·46·30
29	+ 5·20·10	+ 6·40·40	+ 7·22·45	+ 6·31·90	+ 6·24·75	+ 6·30·30	+ 8·05·34	+ 7·18·40	+ 6·04·75	+ 7·23·55	+ 9·02·00	+10·08·50
30	+ 7·00·00	+ 8·04·25	+ 9·29·25	+ 9·41·90	+ 9·27·00	+ 9·05·90	+ 9·11·30	+ 9·48·85	+ 8·10·70	+ 8·10·70	+ 9·37·80	+11·22.50
31	+ 0·20·90	+ 0·41·30	+ 0·38·90	+ 1·21·00	+ 2·00·20	+ 1·22·75	+ 0·20·25	+ 1·05·30	+ 1·09·40	+ 0·43·10	+ 1·18·00	+ 1·18·00

THERMOMETER OF VERTICAL FORCE MAGNETOMETER.

DECEMBER, 1846.

Date. Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
1	—	85°·7	85°·7	85°·7	86°·0	86°·4	85°·5	85°·0	84°·5	84°·5	83°·5	83°·4
2	85°·2	83·8	84·2	84·7	84·8	84·5	84·0	83·5	83·8	83·4	82·9	82·5
3	84·3	83·0	83·5	84·2	84·0	83·5	82·6	82·5	82·5	81·9	81·5	81·4
4	84·4	83·0	83·0	83·5	83·7	85·0	84·1	84·0	82·9	82·5	81·9	81·7
5												
6	82·7	82·0	81·7	82·0	82·2	81·5	81·0	80·5	80·3	80·0	79·2	78·5
7	82·5	82·2	81·2	81·5	81·8	81·5	81·3	80·6	80·5	79·5	79·2	79·4
8	85·3	84·7	84·5	84·9	85·2	84·4	84·2	84·0	84·0	83·0	83·2	82·9
9	86·3	85·2	84·5	84·7	84·8	84·5	84·0	84·0	84·3	83·8	83·2	83·5
10	85·3	84·2	84·0	84·5	84·6.	84·0	83·5	83·5	83·5	83·5	83·0	83·0
11	85·0	84·2	83·7	84·3	84·8	84·3	83·8	83·6	84·3	84·0	83·4	82·9
12												
13	83·3	82·8	82·7	83·0	83·2	82·6	82·2	81·6	81·7	81·4	80·4	79·9
14	83·0	82·8	81·7	82·3	82·8	83·0	82·8	82·5	82·6	82·2	81·3	80·9
15	82·5	81·7	81·7	82·1	82·5	82·5	82·5	82·5	82·5	81·9	81·3	81·4
16	84·1	83·0	83·0	83·5	83·7	83·2	82·7	82·5	83·0	82·8	82·0	82·0
17	—	—	—	—	—	—	—	—	—	—	—	—
18	—	—	—	—	—	—	—	—	—	—	—	—
19												
20	—	—	—	—	—	—	—	—	—	—	—	—
21	—	83·7	82·5	83·7	82·4	84·0	83·3	83·0	83·5	82·9	82·3	82·0
22	84·5	83·2	82·7	83·2	83·6	82·6	82·5	82·0	81·4	80·9	80·8	80·4
23	82·4	81·5	80·5	81·2	81·2	81·5	81·0	80·5	80·5	80·3	80·0	78·9
24	83·5	82·6	82·6	83·1	83·0	82·5	81·5	81·0	80·6	79·8	—	—
25	82·0	81·2	80·7	81·9	82·4	82·5	82·0	81·0	80·5	79·4	78·8	78·5
26												
27	81·7	81·7	80·7	81·7	82·2	82·0	80·6	80·0	79·9	79·5	79·0	78·9
28	83·9	83·0	82·2	82·8	82·5	82·0	81·5	81·3	80·6	80·4	79·9	79·5
29	83·2	82·8	82·2	82·7	82·6	82·5	81·5	81·5	81·5	80·9	80·0	79·9
30	85·4	84·5	83·7	84·3	83·8	83·5	83·5	82·5	82·5	82·5	81·7	80·9
31	85·8	84·0	83·2	84·0	83·8	83·5	84·0	83·0	82·5	82·2	81·7	81·5

VERTICAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
DECEMBER, 1846.	1	-2·12·60	-2·21·90	-2·28·40	-2·21·30	-2·21·30	-2·26·90	-2·11·70	-3·20·30	-3·09·85	-2·48·40	-2·37·90	-2·29·20
	2	-1·36·50	-1·27·00	-2·05·00	-1·48·10	-2·11·95	-2·42·30	-3·34·70	-3·40·40	-3·30·35	-3·21·70	-3·12·20	-3·12·20
	3	-1·49·40	-2·28·00	-2·28·00	-2·28·40	-2·13·90	-2·34·30	-3·17·75	-3·43·50	-3·17·40	-2·47·40	-2·47·40	-3·20·90
	4	-3·23·20	-3·05·30	-3·05·30	-2·46·20	-2·18·45	-2·12·90	-2·29·80	-3·04·00	-3·03·25	-3·25·50	-3·25·50	-3·37·30
	5												
	6	-3·11·30	-3·32·10	-3·22·30	-3·01·52	-2·40·55	-3·00·30	-3·40·90	-5·36·75	-5·36·80	-5·15·40	-4·39·50	-4·17·60
	7	-3·15·20	-2·35·60	-2·24·55	-2·46·95	-2·46·95	-3·13·10	-3·39·40	-4·40·25	-5·07·10	-4·28·50	-4·02·50	-3·48·40
	8	-4·07·70	-3·42·50	-3·14·95	-3·32·85	-3·13·20	-3·34·35	-4·20·10	-5·06·90	-4·42·80	-5·32·20	-5·15·70	-4·34·50
	9	-4·48·80	-5·20·75	-5·15·20	-4·13·30	-3·43·00	-4·09.70	-4·31·30	-4·30·00	-4·46·75	-5·37·00	-5·39·70	-5·23·80
	10	-4·07·40	-4·08·60	-4·20·60	-4·11·00	-3·29·40	-3·38·25	-4·12·35	-4·45·00	-5·15.55	-5·44·50	-5·11·60	-4·36·40
	11	-4·13·40	-4·08·05	-4·38·55	-3·46·15	-3·28·05	-3·21·45	-4·27·05	-5·13·35	-5·19·00	-4·47·60	-4·31·20	-4·36·80
	12												
	13	-3·40·30	-3·40·30	-4·12·00	-3·37·75	-2·44·45	-3·06·00	-3·29·85	-4·09·00	-4·16.70	-4·42·20	-4·32·10	-4·04·90
	14	-4·06·60	-4·20·10	-4·35·45	-4·04·25	-3·17·45	-3·07·85	-3·30·60	-4·07·00	-3·43·55	-4·22·50	-4·48·40	-4·39·80
	15	-4·08·40	-4·08·40	-3·43·50	-3·03·35	-3·17·10	-3·38·25	-4·22·90	-4·32·25	-4·40·90	-4·35·00	-4·29·00	-4·15·00
	16	-3·23·80	-3·39·20	-3·09·85	-3·38·20	-3·21·80	-3·33·40	-4·00·50	-4·39·00	-4·34·10	-4·21·20	-4·11·10	—
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19												
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	-5·17·80	-4·30·70	- 6·17·60	- 6·34·95	- 6·08·15	- 7·25·15	- 8·41·30	-10·41·00	-10·20·60	-10·06·50	- 8·27·00	- 7·08·50
	22	-4·29·55	-4·18·70	- 3·31·95	- 4·12·05	- 5·11.75	- 5·48·50	- 8·22·35	- 9·27·60	- 7·24·15	- 3·04·05	- 1·45·90	- 2·02·40
	23	+3·20·20	+1·46·65	+11·07·60	+10·25·40	+16·49·45	+16·24·10	+13·18·00	+12·04·95	+10·08·25	+11·27·90	+12·23·90	+13·07·90
	24	—	—	—	—	—	+15·03·05	+12·28·55	+11·39·10	+10·10·10	+10·17·50	+11·30·90	+13·47 80
	25	+16·43·50	+16·37·50	+15·45·30	+16·03·00	+16·32·00	+15·14·90	+12·28·40	+10·41·90	+20·08·55	+ 2·07·80	+ 2·34·40	+ 3·45·30
	26												
	27	+ 8·20·80	+ 7·20·00	+ 7·04·80	+6·42·85	+7·33·30	+6·32·95	+4·35·15	+4·24·15	+4·08·70	+3·15·40	+4·46·10	+6·23·40
	28	+ 8·43·10	+ 9·40·60	+ 9·20·30	+9·20·30	+9·31·00	+8·42·30	+6·31·45	+4·05·00	+2·30·80	+3·21·50	+3·42·90	+4·04·10
	29	+ 9·43·30	+ 9·19·70	+ 9·34·30	+8·33·30	+8·46·50	+9·08·85	+8·23·00	+7·10·40	+6·47·70	+7·33·20	+7·27·50	+6·34·10
	30	+11·14·20	+10·25·20	+10·12·60	+9·07·40	+8·45·60	+8·23·55	+7·42·50	+5·29·35	+4·10·40	-0·33·30	-0·13·40	+0·04·00
	31	+ 1·15·70	+ 1·43·60	+ 1·29·00	+1·25·00	+1·34·00	+1·12·50	+0·11·25	+0·17·00	+0·04·70	+0·16·50	+0·06·15	+0·30·90

THERMOMETER OF VERTICAL FORCE MAGNETOMETER.

Date.	Göttingen Mean Time.	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
DECEMBER, 1846.	1	83°·0	82°·3	81°·7	80°·7	80°·8	81°·3	82°·0	82°·7	83°·1	84°·0	84°·8	85°·0
	2	82·4	81·8	81·2	79·0	79·7	80·0	81·1	82·0	82·5	83·2	83·9	84·3
	3	80·9	80·5	80·5	78·2	78·1	79·1	80·5	81·5	82·5	83·0	83·7	84·0
	4	81·4	80·7	79·7	78·3	78·7	80·0	81·4	82·3	83 2	84·2	84·9	85·0
	5												
	6	78·1	77·7	77·2	75·2	75·7	76·5	77·5	79·2	80·5	81·4	82·0	82·5
	7	79·0	79·0	79·0	77·7	77·7	78·5	79·7	81·5	83·0	83·9	84·5	85·0
	8	82·9	82·4	82·0	80·8	80·7	81·4	82·5	84·1	85·5	86·3	86·5	86·4
	9	81·0	80·3	80·2	80·7	80·7	81·2	82·2	83·6	83·6	84·1	84·5	85·0
	10	83·0	82·4	82·0	80·2	80·2	81·0	82·0	83·5	83·6	84·3	84·4	84·8
	11	82·5	82·7	81·5	80·2	80·1	80·5	81·1	81·5	82·0	82·5	83·0	84·0
	12												
	13	79·5	79·2	78·6	76·6	76·2	77·0	78·5	79·6	81·0	82·0	82·9	83·4
	14	80·8	80·0	80·0	78·0	77·7	78·5	79·5	80·8	80·5	81·2	82·0	82·5
	15	80·9	80·3	80·0	78·7	78·6	79·0	79·7	81·0	82·3	83·1	83·5	83·9
	16	82·0	81·8	81·5	79·0	78·9	79·7	80·3	81·3	82·5	83·5	84·1	—
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19												
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	81·7	81·6	81·7	77·9	77·8	79·0	79·9	81·3	82·5	84·0	84·4	84·4
	22	80·4	80·2	79·5	77·7	77·7	78·4	78·7	79·5	80·8	82·0	82·5	82·5
	23	78·3	78·7	78·8	77·5	76·9	77·0	78·0	79·0	80·3	81·3	82·5	83·5
	24	—	—	—	—	—	75·8	76·5	77·8	79·5	80·1	80·9	81·7
	25	78·4	78·0	77·8	75·7	75·3	75·7	76·5	77·2	78·5	80·3	80·9	81·3
	26												
	27	78·5	78·3	78·2	76·2	76·2	76·6	77·7	79·0	80·0	81·7	82·9	83·9
	28	79·2	78·7	78·2	76·7	76·5	76·7	77 7	79·0	80·5	82·0	82·9	83·2
	29	79·3	78·4	78·2	76·6	76·5	77·2	78·1	79·5	81·3	83·0	84·5	85·4
	30	80·5	80·2	79·8	78·3	78·2	78.6	79·5	80·6	82·5	84·4	85·5	86·2
	31	81·0	80·8	80·4	78·6	78·5	79·3	80·6	81·3	82·0	83·2	84·0	84·3

Date. Göttingen Mean Time.		INDUCTION CORRECTED FOR DECLINATION.											
		Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
FEBRUARY, 1846.	1	1°16′98	1°17′15	1°16′94	1°16′95	1°16′67	1°17′11	1°17′07	1°17′11	1°17′11	1°16′75	1°16′86	1°16′86
	2	1·17·54	1·17·57	1·17·19	1·17·17	1·16·88	1·17·10	1·17·32	1·17·24	1·17·15	1·16·86	1·17·05	1·17·05
	3	1·17·87	1·17·70	1·17·44	1·17·67	1·17·33	1·17·58	1·17·59	1·17·52	1·17·54	1·17·50	1·17·53	1·17·48
	4	1·17·92	1·17·19	1·17·50	1·17·78	1·17·05	1·17·63	1·17·67	1·17·63	1·17·59	1·17·24	1·17·50	1·17·27
	5	1·17·23	1·17·36	1·16·74	1·16·67	1·17·10	1·17·19	1·17·14	1·16·98	1·17·00	1·16·66	1·16·66	1·16·58
	6	1·17·40	1·17·44	1·17·44	1·17·30	1·17·22	1·17·15	1·17·15	1·16·89	1·16·88	1·16·63	1·16·80	1·16·97
	7												
	8	1·16·72	1·16·40	1·16·40	1·16·26	1·16·18	1·16·33	1·16·38	1·16·36	1·16·26	1·16·08	1·16·14	1·16·19
	9	1·16·73	1·16·92	1·16·53	1·17·17	1·17·22	1·17·11	1·17·14	1·17·19	1·17·10	1·16·98	1·16·95	1·17·24
	10	1·17·88	1·17·57	1·17·93	1·17·59	1·17·44	1·17·80	1·17·77	1·17·79	1·17·67	1·17·86	1·17·57	1·17·56
	11	1·18·03	1·33·82	1·33·82	1·34·01	1·34·08	1·34·03	1·34·08	1·34·08	1·34·08	1·33·79	1·33·94	1·33·87
	12	1·34·51	1·34·46	1·34·34	1·34·60	1·34·60	1·34·50	1·34·60	1·34·60	1·34·60	1·34·46	1·34·60	1·34·60
	13	1·34·95	1·34·82	1·34·82	1·34·83	1·34·75	1·34·73	1·34·75	1·34·73	1·34·70	1·34·78	1·34·86	1·34·65
	14												
	15	1·35·70	1·34·94	1·35·50	1·35·35	1·35·22	1·35·35	1 35·12	1·35·06	1·35·17	1·34·75	1·34·90	1·34·70
	16	1·35·16	1·35·12	1·35·12	1·35·12	1·35·12	1·35·02	1·35·12	1·34·60	1·34·60	1·34·75	1·34·83	1·34·89
	17	1·34·99	1·34·90	1·34·83	1·34·74	1·34·76	1·34·83	1·34·83	1·35·02	1·34·64	1·34·42	1·34·45	1·34·58
	18	1·35·15	1·35·39	1·35·12	1·35·42	1·35·12	1·35·22	1·35·12	1·35·35	1·35·16	1·35·21	1·35·12	1·35·21
	19	1·35·15	1·35·17	1·35·09	1·35·12	1·35·12	1·35·22	1·35·22	1·35·22	1·35·22	1·35·17	1·35·12	1·35·12
	20	1·35·91	1·35·74	1·35·46	1·35·86	1·35·93	1·35·83	1·35·83	1·35·69	1·35·67	1·35·59	1·35·45	1·35·71
	21												
	22	1·36·42	1·36·19	1·36·34	1·35·98	1·36·49	1 36·39	1·36·33	1·36 34	1·36·27	1·35·98	1·35·80	1·35·87
	23	1·36·39	1·36·42	1·36·04	1·36·49	1 36·49	1·36·27	1·36·42	1·36·34	1·36·27	1·35·98	1·35·91	1·35·98
	24	1·36·50	1·36·59	1·36·56	1·36·50	1·36·79	1·36·79	1·36·79	1·36·79	1·36·65	1·36·50	1·36·50	1·36·50
	25	1·37·07	1·37·53	1·37·07	1·37·08	1·37·08	1·37·08	1·37·46	1·37·31	1·37·40	1·37·19	1·37·29	1·37·32
	26	1·37·58	1·37·40	1·37 37	1·37·46	1·37·62	1·37·60	1·37·11	1·37·07	1·37·21	1·37·22	1·37·11	1·37·08
	27	1·37·50	1·37·63	1·37·71	1·37·55	1·37·60	1·37·55	1·37·60	1·37·55	1·37·34	1·37·60	—	—
	28	—	—	—	—	—	—	—	—	—	—	1·37·54	1·37·60
	29												
	30												
	31												

Date. Göttingen Mean Time.		INDUCTION CORRECTED FOR DECLINATION.											
		Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
MAY, 1846.	1												
	2												
	3												
	4												
	5												
	6												
	7	—	—	—	—	1°10′16	1°09′37	1°09′54	1°09′35	1°09′14	1°08′99	1°08′85	1°08′95
	8	1°08′45	1°08′79	1°08′94	1°09′07	1·09·18	1·09·22	1·09·11	1·08·95	1·08·85	1·08·85	1·08·94	1·08·85
	9												
	10	1·07·83	1·07·77	1·08·30	1·08·30	1·08·19	1·08·45	1·07·93	1·07·93	1·07·93	1·07·93	1·07·93	1·07·93
	11	1·07·01	1·07·26	1·07·45	1·07·30	1·07·30	1·07·01	1·06·56	1·06·92	1·07·07	1·07·12	1·07·12	1·07·12
	12	1·06·29	1·06·96	1·06·92	1·06·87	1·07·05	1·06·83	1·06·89	1·07·05	1·06·89	1·06·40	1·06·89	1·07·00
	13	1·05·92	1·05·88	1·06·32	1·06·26	1·06·18	1·05·97	1·06·04	1·05·97	1·06·29	1·06·01	1·05·88	1·05·88
	14	1·05·06	1·05·69	1·54·44	1·05·52	1·05·96	1·06·28	1·05·97	1·05·97	1·05·45	1·05·69	1·05·92	1·05·50
	15	1·04·91	1·05·11	1·04·68	1·05·06	1·05·06	1·05·06	1·04.80	1·04·61	1·04·97	1·04·97	1·04·67	1·04·54
	16												
	17	1·03·63	1·03·84	1·03·99	1·04·11	1·04·09	1·04·05	1·04·46	1·04·44	1·04·39	1·04·21	1·04·25	1·04·39
	18	1·03·56	1·03·46	1·03·48	1·03·74	1·03·79	1·02·70	1·03·69	1·03·83	1·03·79	1·04·25	1·03·82	1·03·55
	19	1·03·10	1·03·30	1·03·47	1·03·42	1·03·54	1·03·62	1·03·62	1·03·82	1·03·82	1·03·27	1·03·62	1·03·57
	20	1·02·89	1·02·97	1·03·12	1·03·26	1·03·21	1·03·10	1·03·10	1·03·10	1·03·23	1·02·95	1·03·05	1·02·76
	21	1·02·29	1·02·24	1·02·47	1·02·51	1·02·35	1·02·16	1·02·42	1·02·52	1·02·99	1·02·71	1·02·52	1·02·09
	22	1·01·33	1·01·64	1·01·69	1·02·13	1·02·18	1·01·66	1·01·73	1·01·46	1·02·09	1·01·80	1·01·85	1·01·80
	23												
	24	1·00·72	1·01·13	1·01·14	1·01·03	1·01·03	1·01 13	1·01·17	1·01·23	1·01·58	1·01·37	1·01·51	1·01·37
	25	1·00·38	1·00·82	1·00·99	1·01·04	1·00·91	1·01·74	1·01·74	1·01·23	1·00·80	1·00·90	1·00·87	1·00·87
	26	0·59·70	0·59·92	1·00·23	1·00·55	1·00·60	1·00·98	1·00·60	1·00·74	1·00·48	1·00·48	1·00·32	1·00·27
	27	0·59·80	0·59 88	1·00·32	1·00·74	1·00·60	1·00·22	1·00·22	1·00·22	1·00·26	1·00·22	1·00·22	1·00·22
	28	0·59·33	0·58·62	0·59·89	0·59·99	1·00·03	1·00·60	1·00·74	1·00·22	1·00·22	1.00·22	1·00·22	1·00·15
	29	0·58·29	0·58·50	0·58·82	0·58·83	0·58·73	0·59·23	0·59·31	0·58·92	0·58·79	0·58·79	—	—
	30												
	31												

Date.	Göttingen Mean Time.	INDUCTION CORRECTED FOR DECLINATION.											
		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
FEBRUARY, 1846.	1	1·16′98	1°17′44	1°17′44	1°17′44	1°17′26	1°17′70	1°17′57	1°17′82	1·17′73	1°17′93	1°17′66	1°17′66
	2	1 16·98	1·17·44	1·17·44	1·17·67	1·17·33	1·17·61	1·18·09	1·18·03	1·18·04	1·17·90	1·17·78	1·17·78
	3	1·17·53	1·17·89	1·17·96	1·18·12	1·17·83	1·18·32	1·18·14	1·18·29	1·17·96	1·17·97	1·17·99	1·17·90
	4	1·17·27	1·17·47	1·17·44	1·17·96	1·17·69	1·17·89	1·17·67	1·18·01	1·17·69	1·17·85	1·17·87	1·17·72
	5	1·16·88	1·16·92	1·16·66	1·16·92	1·17·32	1·17·07	1·17·00	1·16·97	1·17·34	1·16·91	1·16·93	1·16·91
	6	1·16·59	1·16·78	1·16·92	1·17·02	1·16·53	1·16·97	1·17·18	1·16·95	1·16·84	1·17·35	1·17·18	1·17·25
	7												
	8	1·15·98	1·15·93	1·15·88	1·16·80	1·16·73	1·16·64	1·16·50	1·16·66	1·16·92	1 16·67	1·16·91	1·16 90
	9	1·17·38	1·17·52	1·17·44	1·17·70	1·17·85	1·17·94	1·17·84	1·18·27	1·18·31	1·18·19	1·18·28	1·18·06
	10	1·17·50	1·17·78	1·17·40	1·17·93	1·18·25	1·18·30	1·18·30	1·18·46	1·18·36	1·18·43	1·18·37	1·18·32
	11	1·33·85	1·34·14	1·34·21	1·33 99	1·33·95	1·33·96	1·34·16	1·34·16	1·34·25	1·34·25	1·34·32	1·34·41
	12	1·34·62	1·34·60	1·34·60	1·34·98	1·34·83	1·34·60	1·34·00	1·34·82	1·35·03	1·35·33	1·35·25	1·35·11
	13	1·34·77	1·34 66	1·34·89	1·34·60	1·35·09	1·34·85	1·35·28	1·34·91	1·35·00	1·35·31	1·35·54	1·35·32
	14												
	15	1·34·95	1·34·60	1·35·12	1·35·35	1·35·12	1·35·32	1·35·44	1·35·62	1·35·65	1·36·03	1·35·76	1·35·25
	16	1·34·84	1 35·12	1·35·25	1·34·80	1·34·99	1·35·15	1·35·33	1·35·51	1·35·42	1·35·52	1·35·51	1·25·48
	17	1·34·58	1 35·12	1·34·63	1·34·73	1·34·73	1·35·21	1·35·20	1·35·61	1·35·42	1·35·52	1·35·36	1·35·15
	18	1·35·33	1·35·43	1·35·50	1·35·65	1·35·87	1·35·99	1·35·98	1·35·62	1·35·66	1·35·66	1·35·59	1·35·36
	19	1·35·12	1·35·17	1·35·64	1·35·92	1·35·51	1·35·71	1·36·23	1·35·92	1·35·92	1·35·91	1·35·83	1·35·89
	20	1·35·79	1·35·64	1·35·95	1·36·16	1·36·16	1·35·96	1·35·79	1·35·91	1·35·25	1·35·99	1·35·88	1·36·10
	21												
	22	1·35·74	1·36·06	1·35·84	1·35·92	1·35·79	1·36·13	1·36·24	1·36·18	1·36·34	1·36·33	1·36·33	1·36·32
	23	1·35·98	1·36·42	1·36·00	1·36·32	1·36·44	1·36·55	1·36·53	1·36·44	1·36·48	1·36·55	1·36·56	1·36·68
	24	1·36·50	1·37·08	1·36·65	1·36·16	1·36·72	1·36·68	1·36·82	1·37·18	1·36·94	1·37·18	1·37·10	1·37·19
	25	1·37·31	1·37·72	1·37·26	1·36·52	1·37·09	1·37·08	1·37·34	1·37·50	1·37·48	1·37·55	1·37·62	1·37·66
	26	1·37·13	1·37·08	1·37·08	1·37·04	1·37·20	1·37·32	1·37·34	1·37·44	1·37·58	1·37·70	1·37·65	1·37·72
	27	—	—	--	—	—	—	—	—	—	—	—	—
	28	1·37·55	1·37·60	1·37·83	1·37·79	1·37·72	1·37·91	1·38·00	1·37·98	1·37·92	1·38·25	1·37·86	1·38·01
	29												
	30												
	31												

Date.	Göttingen Mean Time.	INDUCTION CORRECTED FOR DECLINATION.											
		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
MAY , 1846.	1												
	2												
	3												
	4												
	5												
	6												
	7	1°08′95	1°08′99	1°09′89	1°08′79	1°08′82	1°09′15	1°08′97	1°08′95	1°08′70	1°08′28	1°08′43	1°08′35
	8	1·09·08	1·09·03	1·08·81	1·08·50	1·08·68	1·00·85	1·09·09	1·08·41	1·08·22	1·07·67	1·07·82	1·07·93
	9												
	10	1·07·93	1·07·34	1·07·61	1·07·71	1·07·61	1·07·81	1·07·58	1·07·44	1·07·26	1·06·74	1·06·95	1·06·99
	11	1·06·63	1·06·79	1·06·79	1 06·43	1·06·64	1·07·14	1·06·40	1·06·47	1·06·74	1·06·61	1·06·42	1·06·75
	12	1·06·68	1·06·51	1·06·60	1·06·35	1·06·25	1·06·19	1·05·88	1·05·98	1·05·90	1·05·52	1·05·57	1·05·87
	13	1·05·83	1·06·05	1·05·73	1·05·73	1·05·60	1·05·96	1·05·42	1·05·18	1·05·29	1·05·07	1·05·08	1·05·29
	14	1·05·45	1·05·54	1·05·21	1·05·28	1·05·27	1·05·45	1·05·43	1·05·18	1·05·18	1·05·18	1·04·95	1·04·88
	15	1·04·73	1·04·87	1·04·69	1·04·13	1·04·05	1·03·64	1·03·69	1·03·73	1·03·74	1·03·79	1·03·53	1·03·94
	16												
	17	1·04·37	1·04·02	1·03·75	1·03·66	1·03·44	1·03·80	1·03·94	1·03·66	1·03·29	1·03·19	1·03·11	1·03·43
	18	1·03·91	1·03·58	1·03·60	1·03·37	1·03·37	1·03·11	1·03·78	1·03·59	1·02·79	1·02·95	1·03·12	1·03·19
	19	1·03·47	1·03·47	1·03·37	1·03·03	1·03·06	1·03·10	1·03·22	1·02·38	1·03·01	1·02·72	1·02·58	1·02·65
	20	1·02·50	1·02·58	1·02·49	1·02·41	1·02·44	1·01·92	1·01·78	1·01·86	1·01·91	1·01·88	1·01·71	1·02·03
	21	1·02·42	1·02·16	1·02·05	1·02·14	1·02·19	1·02·08	1·01·96	1·01·91	1·01·46	1·01·13	1·01·66	1·01·63
	22	1·01·66	1·02·00	1·02·17	1·01·53	1·01·55	1·01·02	1·01·64	1·01·26	1·00.87	1·01·19	1·00·87	1·00·88
	23												
	24	1 00·80	1·01·04	1·01·25	1·00·79	1·00·71	1·01·11	1·00·35	1·00·47	1·00 47	1·00·26	1·00·35	1·00·53
	25	1·00·36	1·00·48	1·00·49	1·00·56	1·00·44	1·00·22	1·00·20	0·59·95	0·59·55	0·59·57	1·00·06	0·59·74
	26	1·00·22	0·59·99	1·00·05	1·00·07	0·59·85	0·59·73	0·59·30	0·59·72	0·59·32	0·59·13	0·59·43	0·59·78
	27	1·00·22	0·59·89	1·00·10	0·59·72	0·59·68	0·59·32	0·59·34	0·59·70	0·59·20	0·59·34	0·59·54	0·59·62
	28	1·59·72	0·59·75	0·59·46	0·59·43	0·59·16	0·59·18	0·59·43	0·58·93	0·59·16	0·58·64	0·58·01	0·57·99
	29												
	30												
	31												

INDUCTION CORRECTED FOR DECLINATION.

	Date. Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
JULY, 1846.	1												
	2												
	3												
	4												
	5												
	6												
	7												
	8												
	9												
	10												
	11												
	12												
	13												
	14	1°26′·54	1°26′·59	1°26′·88	1°26′·57	1°26′·53	1°26′·31	1°26′·45	1°26′·31	1°26′·26	1′26′·78	1°26′·31	1′26°·78
	15	1·26·33	1·26·63	1·26·31	1·26·38	1·26·26	1·26·26	1·26·26	1·26·26	1·26·26	1·26·36	1·26·26	1·26·72
	16	1·26·16	1·26·30	1·26·14	1·26·24	1·26·24	1·26·26	1·26·29	1·25·98	1·26·12	1·26·36	1·26·41	1·26·41
	17	1·26·59	1·26·31	1·26·26	1·26·24	1·26·17	1·26·26	1·26·52	1·26·26	1·26·26	1·26·26	1·26·26	1·26·26
	18												
	19	1·16·83	1·15·75	1·16·71	1·16·71	1·16·80	1·17·11	1·17·11	1·17·11	1·17·04	1·16·97	1·16·97	1·16·92
	20	1·16·99	1·16·94	1·16·76	1·16·91	1·16·73	1·17·11	1·17·08	1·17·00	1·16·85	1·17·09	1·17·05	1·16·99
	21	1·16·87	1·17·22	1·16·68	1·16·79	1·16·64	1·16·74	—	—	—	—	—	—
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23												
	24	1·17·40	1·17·40	1·17·71	1·17·56	1·17·70	1·17·89	1·18·04	1·18·16	1·18·16	1·18·16	1·17·82	1·17·82
	25												
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	0·52·86	0·52·63	0·52·63	0·52·81	0·52·56	0·52·84	0·52·99	0·53·03	0·53·08	0·52·48	0·52 35	0·52·54
	28	0·52·69	0·52·45	0·52·47	0 52·50	0·52·50	0·52·46	0·52·77	0·52·81	0·52·74	0·52·63	0·52·34	0·52·67
	29	0·52·58	0·52·27	0·52·29	0·52·41	0·52·46	0·52·65	0·52·80	0·52·61	0·52·55	0·52·45	0·52·45	0·52·45
	30	0·52·36	0·52·77	0·52·84	0·52·45	0·51·75	0·52·33	0·52·84	0·52·84	0·52·55	0·52·34	0·52·38	0·52·75
	31	0·52 67	0·52·41	0·52·67	0·52·77	0·52·53	0 53.13	0·52·98	0·52·98	0·52·88	0·52·84	0·52·27	0·52·77

INDUCTION CORRECTED FOR DECLINATION.

	Date. Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
AUGUST, 1846.	1												
	2	1°19′·67	1°19′·52	1°19′·48	1°19′·45	1°19′·57	1°19′·86	1°19′·65	1°19′·71	1°19′·43	1°19′·51	1°19′·21	1°19′·61
	3	1·19·33	1·19·40	1·19·77	1·19·26	1·19·81	1·19·98	1·19·64	1·19·36	1·19·53	1·19·59	1·19·81	1·19·56
	4	1·20·15	1·20·22	1·19·78	1·19·84	1·19·91	1·20·28	1·20·36	1·20·45	1·19·93	1·19·93	1·19·93	1·20·27
	5	1·20·08	1·19·72	1·20·22	1·20·01	1·19·98	1·20·26	1·20·42	1·20·33	1 19·98	1·20·25	1·20·12	1·20·13
	6	1·19·74	1·20·14	1·20·09	1·19·74	1·20·36	1·20·39	1·20·12	1·20·41	1·20·22	1·20·03	1·20·20	1·20·55
	7	1·20·31	1·20·33	1·20·38	1·20·56	1·20·36	1·19·75	1·19·98	1·20·63	1·20·38	1·20·22	1·20·34	1·20·05
	8												
	9	—	—	—	—	—	—	—	—	--	—	—	—
	10	2·10·17	2·10·63	2·10·63	2·10·41	2·10·44	2·10·68	2·10·48	2·10·44	2·10·55	2·10·48	2·10·61	2·10·57
	11	2·10·58	2 10·29	2·10·50	2·10·11	2·10·11	2·10·30	2·10·37	2·10·51	2·10·44	2·10·34	2·10·74	2·10·63
	12	2·10·10	2·10·25	2·10·51	2·10·51	2·10·13	2·10·32	2·10·85	2·10·51	2·10·58	2·10·44	2·10·17	2·10·53
	13	2·10·29	2·10·46	2·10·65	2·10·33	2·10·13	2·10·89	2·10·55	2·10·37	2·10·08	2·09·89	2·10·10	2·10·37
	14	2·10 51	2·10·44	2·09·91	2 09·94	2·10·22	2·09·91	2·10·67	2·10·51	2·10·50	2·10·47	2·10·80	2·10·29
	15												
	16	2·06·11	2·06·48	2·06·37	2·06·20	2·05·96	2·06·20	2·06·44	2·06·25	2·06·48	2·06·63	2·06·42	2·06·22
	17	2·06·75	2·06·64	2·06·57	2·06·60	2·06·46	2·06·95	2·06·20	2 06·28	2·06·51	2·06·24	2·06·61	2·06·75
	18	2·06·65	2·06·37	2·06·48	2·06·20	2·06·27	2·06·28	2·06·48	2·06·54	2·06·30	2·06·32	2·06·18	2·06·35
	19	2·06·75	2·06·49	2·07·09	2·06·35	2·06·33	2·06·13	2·06·13	2·06·18	2·06·23	2·06·32	2·06·31	2·06·27
	20	2·06·13	2·06·19	2·06·49	2·06·14	2·06·08	2·06·28	2·06·82	2·06·28	2·06·28	2·06·37	2·06·32	2·06·24
	21	2·06·41	2·06·47	2·06·42	2·06·25	2·06·56	2·06·66	2·06.67	2·06·70	2·06·21	2·06·34	2·06·22	2·06·28
	22												
	23	2·14·14	2·13·86	3·14·51	2·14·10	2·14·13	2·14·17	2·14·10	2·14·07	2·13·79	2·13·93	2·13·83	2·13·74
	24	2·13·73	2·14·00	2·13·73	2·13·46	2·13·79	2·13·96	2·14·08	2·13·86	2·13·33	2·14 01	2·13·72	2·14·21
	25	2·13·98	2·14·02	2·13·98	2·14·26	2·14·18	2·14·17	2·14·21	2·13·90	2·14·17	2·13·96	2·13·79	2·14·31
	26	2·14·13	2·13·95	2·13·60	2·13·90	2·14·15	2·14·03	2·14·24	2·14·46	2·13·77	2·14·20	2·14·05	2·13·94
	27	2·13·74	2·14·39	2·14·41	2·14·46	2·14·41	2·14·48	2·14·48	2·14·72	2·14·64	2·14·61	2 14 27	2·14·68
	28	2·14·49	2 14·60	2·14·75	2·14·43	2·14·57	2·14·86	2·14·49	2·14·30	2·14·41	2·14·70	—	—
	29	—	—	—	—	—	—	—	—	—	—	2·03·67	2·03·40
	30												
	31	2·03·16	2·03·16	2·02·71	2·02·96	2·02·81	2·03·19	2·03·36	2·02·63	2·02·57	2·02·95	2·02·09	2·02·98

INDUCTION CORRECTED FOR DECLINATION.

	Date. Göttingen Mean Time.	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
JULY, 1846.	1												
	2												
	3												
	4												
	5												
	6												
	7												
	8												
	9												
	10												
	11												
	12												
	13												
	14	1°26′88	1°27′01	1°26′61	1°26′68	1°26′40	1°26′40	1°26′39	1°26′19	1°26′52	1°26′15	1°26′52	1°26′84
	15	1·26·46	1·26·38	1·26·44	1·26·54	1·26·53	1·26·20	1·26·44	1·26·16	1·26·39	1·26·27	1·26·39	1·26·36
	16	1·26·26	1·26·43	1·26·33	1·26·31	1·26·21	1·25·62	1·25·99	1·26·12	1·26·19	1·26·41	1·26·33	1·26·13
	17	1·26·78	1·26·15	1·26·01	1·26·17	1·25·94	1·25·37	1·25·87	1·25·73	1·25·99	1·26·04	1·26·13	1·26·23
	18												
	19	1·16·92	1·16·77	1·16·86	1·16·89	1·16·86	1·17·10	1·16·71	1·16·46	1·16·68	1·16·56	1·16·62	1·16·79
	20	1·16·59	1·16·48	1·16·75	1·16·84	1·16·75	1·16·75	1·17·04	1·16·58	1·16·46	1·16·71	1·17·37	1·17·11
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	—	—	—	—	—	—	—	1·17·47	1·17·44	1·17·31	1·17·71	1·17·61
	23												
	24	1·17·59	1·17·68	1·17·94	1·17·60	1·17·58	1·17·73	1·17·51	1·17·94	1·17·82	1·17·58	1·17·75	1·17·66
	25												
	26	—	—	—	—	—	—	0·52·58	0·52·49	0·52·34	0·52·55	0·52·24	0·52·22
	27	0·52·45	0·52·53	0·52·70	0·52·75	0·52·65	0·53·22	0·52·77	0·52·82	0·52·70	0·52·77	0·52·67	0·52·43
	28	0·52·45	0·52·38	0·52·41	0·52·39	0·52·49	0·52·20	0·52·10	0·52·06	0·52·32	0·52·26	0·52·22	0·52·19
	29	0·52·38	0·52·54	0·52·46	0·52·58	0·52·62	0·53·11	0·52·85	0·52·72	0·52·48	0·52·91	0·52·53	0·52·53
	30	0·52·75	0·52·31	0·52·56	0·52·85	0·52·89	0·52·31	0·52·99	0·53·14	0·52·66	0·52·98	0·52·84	0·52·75
	31	0·52·45	0·52·41	0·52·20	0·53·00	0·52·72	0·52·79	0·52·62	0·52·56	0·52·03	0·52·68	0·52·78	0·52·03

INDUCTION CORRECTED FOR DECLINATION.

	Date. Göttingen Mean Time.	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
AUGUST, 1846.	1												
	2	1°19′67	1°19′50	1°19′32	1°19′43	1°19′69	1°19′95	1°19′40	1°19′81	1°19′66	1°19′52	1°19′23	1°19′85
	3	1·19·54	1·19·81	1·19·69	1·19·80	1·19·85	1·19·71	1·19·71	1·19·59	1·19·56	1·19·90	1·19·38	1·19·76
	4	1·20·21	1·19·65	1·19·42	1·19·86	1·19·99	1·18·68	1·20·15	1·19·30	1·19·93	1·20·21	1·19·93	1·19·61
	5	1·20·10	1·20·05	1·20·21	1·20·21	1·20·13	1·20·67	1·20·07	1·20·28	1·19·84	1·19·86	1·19·79	1·20·83
	6	1·20·47	1·20·39	1·19·59	1·20·50	1·20·64	1·20·14	1·20·29	1·20·17	1·20·34	1·20·27	1·20·49	1·20·32
	7	1·20·17	1·20·14	1·20·05	1·20·14	1·20·46	1·20·56	1·20·62	1·19·88	1·19·93	1·20·48	1·20·04	1·19·81
	8												
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	2·10·48	2·10·39	2·10·12	2·10·37	2·10·73	2·10·46	2·10·19	2·10·86	2·10·67	2·10·30	2·10·60	2·10·46
	11	2·10·58	2·10·66	2·10·27	2·10·10	2·10·18	2·10·67	2·10·56	2·10·26	2·10·29	2·10·18	2·10·12	2·09·68
	12	2·10·82	2·10·25	2·09·95	2·09·98	2·10·18	2·10·89	2·10·55	2·10·67	2·10·46	2·10·84	2·10·58	2·10·48
	13	2·10·34	2·10·07	2·10·26	2·10·39	2·10·32	2·10·48	2·10·39	2·10·72	2·10·91	2·10·53	2·10·33	2·10·44
	14	2·09·43	2·10·15	2·09·70	2·10·12	2·09·64	2·10·53	2·10·05	2·09·60	2·10·54	2·10·31	2·09·90	2·10·06
	15												
	16	2·06·27	2·06·43	2·06·00	2·06·42	2·06·58	2·06·17	2·07·70	2·06·70	2·06·19	2·06·74	2·05·86	2·06·75
	17	2·06·61	2·06·53	2·06·50	2·06·46	2·06·55	2·06·82	2·06·68	2·06·13	2·06·58	2·06·60	2·06·21	2·06·34
	18	2·06·34	2·06·42	2·06·53	2·06·32	2·06·50	2·06·99	2·07·60	2·06·09	2·06·49	2·06·39	2·06·43	2·06·52
	19	2·06·41	2·06·24	2·05·99	2·06·42	2·06·21	2·06·54	2·06·67	2·06·20	2·06·65	2·06·06	2·06·49	2·06·08
	20	2·06·21	2·06·37	2·06·27	2·06·38	2·06·26	2·06·51	2·06·18	2·05·91	2·06·27	2·06·43	2·06·24	2·06·68
	21	2·06·75	2·06·20	2·06·14	2·06·22	2·06·42	2·06·17	2·06·51	2·06·84	2·06·32	2·06·20	2·06·60	2·06·48
	22												
	23	2·14·00	2·13·68	2·14·00	2·13·88	2·13·87	2·13·57	2·13·67	2·13·94	2·13·93	2·13·72	2·14·19	2·13·99
	24	2·13·60	2·13·50	2·13·43	2·13·86	2·13·96	2·13·90	2·14·17	2·13·86	2·14·15	2·14·13	2·14·10	2·14·44
	25	2·14·31	2·13·60	2·13·89	2·13·88	2·14·10	2·14·26	2·13·96	2·13·75	2·13·60	2·14·06	2·14·13	2·14·33
	26	2·13·80	2·13·95	2·14·00	2·13·75	2·14·10	2·14·25	2·13·68	2·14·14	2·13·75	2·13·95	2·13·94	2·14·20
	27	2·14·48	2·14·22	2·14·32	2·14·63	2·15·09	2·15·13	2·14·68	2·14·92	2·14·57	2·14·63	2·14·61	2·14·49
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	2·03·55	2·03·64	2·02·99	2·03·70	2·03·68	2·03·74	2·03·95	2·03·11	2·03·99	2·02·97	2·02·51	2·02·97
	30												
	31	2·02·92	2·02·92	2·02·82	2·02·87	2·03·20	2·02·64	2·02·94	2·02·65	2·03·20	2·02·87	2·03·06	2·03·06

Date. Göttingen Mean Time.		INDUCTION CORRECTED FOR DECLINATION.											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
SEPTEMBER, 1846.	1	2°03′26	2°03′03	2·03′05	2°03·18	2·03′16	2°03′64	2·03′39	2°03′15	2·03′30	2°03′22	2·03′12	2·03′12
	2	2·03·28	2·03·29	2·03·13	2·03·47	2·03·26	2·03·37	2·03·57	2·03 59	2·03·48	2·03·12	2·03·05	2·02·74
	3	2·03·56	2·03·33	2·03·01	2·03·09	2·03·33	2·03·43	2·03·43	2·03·47	2·03·59	2·03·05	2·03·09	2·03·00
	4	2·03·81	2·03·37	2·03·60	2·03·24	2·03·33	2·03·61	2 03·47	2·03·50	2·03·69	2·03·77	2·03·77	2·03·26
	5												
	6	1·49·65	1·49·60	1·49·42	1·49·73	1·49·66	1·49·59	1·49·38	1·49·27	1·49·20	1·49·30	1·49·44	1·49·58
	7	1·49·44	1·49·59	1·49·49	1·49·56	1·49·03	1·49·27	1·49·29	1·49·24	1·49·14	1·49·38	1·49·17	1·49·38
	8	1·49·72	1·49·63	1·49·51	1·49·55	1·49·38	1·49·38	1·49·39	1·49·18	1·49·37	1·49·86	1·49·62	1·49·70
	9	1·49·78	1·49·78	1·49·29	1·49·46	1·49·69	1·50·13	1·49·92	1·49·48	1·49·79	1·49 77	1·49·91	1·49·60
	10	1·49·44	1·49·39	1·49·49	1·49·29	1·49·56	1·49 92	1·49·82	1·49·37	1·49·54	1·49·75	1·49·61	1·49·62
	11	1·49·84	1·49·51	1·49·56	1·49·10	1·49·44	1·49·69	1·49·69	1·49·30	1·49·58	1·49·10	1·50·00	1·49·17
	12												
	13	1·51·41	1·51·63	1·52·05	1·52·03	1·52·09	1·52·04	1·51·97	1·51·69	1·51·44	1·52·35	1·51·92	1·51·97
	14	1·51·95	1 52·23	1·51·97	1·51·85	1·51·93	1·52·36	1·52·55	1·52·41	1·52.21	1·52·35	1·51·93	1·52·17
	15	1·52·31	1·52·24	1·52·09	1·51·93	1·52·07	1·52·24	1·52·00	1·52·17	1·52·16	1·52·14	1·52·17	1·52·04
	16	1·51·33	1·51·51	1·51·69	1·51·90	1·51·62	1·51·73	1·51·35	1·51·76	1·51·81	1·51·76	1·51·76	1·52·04
	17	1·51·68	1·51·70	1·52·00	1·52·07	1·51·76	1·51·77	1·51·68	1·52·10	1·52·15	1·52·21	1·52·24	1·52·31
	18	1·51·90	1·51·75	1·51·74	1·51·40	1·51·43	1·51·69	1·51·76	1·51·69	1·58·94	1·51·92	1·51·68	1·51·08
	19												
	20	1·56·64	1·56 50	1·56·55	1·56·72	1·55·73	1·56·36	1·56·61	1·56·53	1·56·41	1·56·42	1·56·42	1·56·83
	21	1·56·35	1·56·48	1·56·34	1·56·48	1·56·38	1·56·55	1·56·62	1·56·19	1·56·35	1·55·70	1·56·16	1·56·61
	22	1·57·12	1·57·32	1·57·15	1·57·07	1·56·98	1·57·00	1·57·15	1·57·07	1·56·91	1·57·24	1·56·97	1·56·72
	23	1·56·76	1·57·03	1·56·50	1·56·71	1·56·67	1·56·64	1·57·50	1·56·36	1·56·55	1·56·69	—	—
	24	—	—	—	—	—	—	—	—	—	—	1·57·16	1·57·02
	25	1·56·90	1·57·05	1·56·88	1·56·74	1·56·79	1·56·69	1·56·58	1·56·93	1·56·76	1·57 02	1·57·00	1 56·65
	26												
	27	2·07·04	2·07·54	2·07·28	2·07·42	2·07·26	2·07·50	2·07·58	2·07·13	2·06·85	2·07·28	2·06·93	2·07·10
	28	2·05·02	2·07·89	2·07·74	2·07·71	2·07 83	2·08·19	2·08·21	2·07·57	2·07·99	2·07·81	2·07·95	2·07·88
	29	2·07·80	2·07·23	2·07·83	2·07·79	2·07·95	2·07·98	2·07·92	2·07·79	2·07·92	2·07·59	2·07·71	2·07·75
	30												
	31												

Date. Göttingen Mean Time.		INDUCTION CORRECTED FOR DECLINATION.											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
OCTOBER, 1846.	1												
	2												
	3												
	4												
	5												
	6												
	7												
	8												
	9												
	10												
	11												
	12												
	13												
	14												
	15												
	16												
	17												
	18												
	19												
	20	1·22′69	1°21′93	1°21′81	1°21′93	1·21′74	1·22′03	1°27′73	1°22′07	1°21′71	1·21′88	1·22′02	1·22′07
	21	1·32·12	1·21·97	1·21·90	1·21·80	1·21·62	1·21·67	1·21·92	1·22·10	1·21·88	1·21·81	—	—
	22	—	—	—	—	—	—	—	—	—	—	1·22·09	1·22·36
	23	1·22·17	1·21·90	1·21·86	1·21·71	1·21·71	1·21·78	1·21·79	1·22·05	1·22·02	1·21·85	1·22·02	1·21·64
	24												
	25	2·29·54	2·29·49	2·29·25	2·29·16	2·29·09	2·29·18	2·28·92	2·29·25	2·29·33	2·29·33	2·29·69	2·29·83
	26	2·29·23	2·29 01	2·28·99	2·29·20	2·29·20	2·29·20	2·29·32	2·29·37	2·29·52	2·29·40	2·29·35	2·29·23
	27	2·29·28	2·28·95	2·29·06	2·28·91	2·28·91	2·28·91	2·29·20	2·28·92	2·29·25	2·28·99	2·29·25	2·29·32
	28	2·28·91	2·29·15	2·29·03	2·29·09	2·29·18	2·29·08	2·29·13	2·29·11	2·29·08	2·29·25	2·29·02	2·29·11
	29	2·29·32	2·29·51	2·29·08	2·29·25	2·29·18	2·29·21	2·29·25	2·29·25	2·29·42	2·29·59	2·29·66	2·29·63
	30	2·29·32	2·29·35	2·29·40	2·29·36	2·29·32	2·29·25	2·29·25	2·29·25	2·29·16	2·28·97	2·29·16	2·29·02
	31												

Date. Göttingen Mean Time.		INDUCTION CORRECTED FOR DECLINATION.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
SEPTEMBER, 1846.	1	2°03′23	2·03′02	2·03′10	2·03′25	2°03′33	2·03′30	2·03′06	2·03′11	2°03′44	2°03′21	2·03′13	2°03′16
	2	2·03·29	2·03·02	2·03·22	2·03·18	2·03·25	2·03·04	2·03·16	2·03·46	2·03·47	2·03·37	2·03·40	2·02·92
	3	2·02·94	2·03·02	2·03·11	2·03·11	2·03·25	2·02·79	2·03·18	2·02·82	2·03·34	2·03·25	2·03·26	2·03·33
	4	2·03·37	2·02·99	2·03·37	2·03·47	2·03·71	2·03·66	2·03·46	2·04·12	2·03·00	2·03·50	2·03·26	2.03·53
	5												
	6	1·49·72	1·49·41	1.49.45	1·49·55	1·49·60	1·50·13	1·49·85	1·49·30	1·49·27	1·49·63	1·49·57	1·49·68
	7	1·49·30	1·49·25	1·49·60	1·49·26	1·49·56	1·49·51	1·49·11	1·49·26	1·49·75	1·49·84	1·49·60	1·49·68
	8	1·49·99	1·49·48	1·49·71	1·49·53	1·49·83	1·50·01	1·50·00	1·49·80	1·49·97	1·49·81	1·49·51	1·49·84
	9	1·49·41	1·49·55	1·49·41	1·49·38	1·49·22	1·49·68	1·49·57	1·49·43	1·49·32	1·49·39	1·49·60	1·49·48
	10	1·49·60	1·49·49	1·49·16	1·49·34	1·49·41	1·49·48	1·49·53	1·49·39	1·49·65	1·49·42	1·49·66	1·49·19
	11	1·49·06	1·49·58	1·49·03	1·49·36	1·49·65	1·49·41	1·49·40	1·49·41	1·49·56	1·49·31	1·49·55	1·49·24
	12												
	13	1·52·16	1·51·85	1·51·90	1·51.97	1·51·85	1·51·47	1·51·96	1·52·16	1·51·64	1·51·79	1·51·99	1·52·28
	14	1·52·03	1·51·74	1·51·61	1·52·14	1·52·13	1·52·38	1·52·43	1·52·21	1·51·83	1·52·03	1·52·12	1·52·00
	15	1·51·73	1·51·73	1·51·73	1·52·07	1·52·02	1·51·87	1·51·91	1·51·80	1·52·04	1·51·82	1·51·52	1·51·83
	16	1·52·17	1·51·82	1·51·79	1·51·71	1·51·97	1·51·64	1·52·04	1·51·57	1·51·60	1·51·74	1·51·73	1·51·64
	17	1·52·09	1·51·63	1·51·66	1·51·78	1·51·66	1·51·50	1·51·11	1·51·82	1·51·42	1·51·71	1·52·14	1·51·76
	18	1·51·30	1·51·28	1·51·44	1·51·85	1·51·66	1·52·04	1·52·11	1·51·66	1·51·47	1·51·49	1·51·68	1·51·73
	19												
	20	1·56·86	1·56·35	1·56·40	1·56·36	1·56·21	1·56·04	1·56·55	1·56·30	1·56·00	1·56·61	1·56·89	1·56·57
	21	1·56·07	1·56·14	1·56·29	1·56·57	1·56·19	1·56·60	1·56·96	1·56·63	1·57·13	1·56·88	1·56·66	1·57·03
	22	1·56·86	1·56·59	1·56·77	1·56·78	1·56·81	1·56·89	1·56·76	1·56·84	1·56·79	1·56·85	1·56·88	1·57·00
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	1·56·80	1·56·67	1·56·50	1·56·72	1·57·04	1·56·26	1·56·54	1·56·95	1·57·02	1·56·76	1·57·17	1·56·76
	25	1·56·62	1·56·67	1·56·57	1·56·66	1·56·95	1·56·30	1·56·42	1·56·69	1·57·12	1·56·88	1·56·98	1·57·17
	26												
	27	2·07·37	2·07·23	2·07·08	2·07·32	2·07·39	2·07·99	2·07·37	2·07·70	2·07·74	2·07·74	2·07·64	2·07·81
	28	2·07·92	2·07·73	2 07·87	2·07·64	2·07·78	2·07·39	2·07·19	2·07·50	2·07·66	2·07·83	2·07·81	2·07·74
	29	2·07·92	2·07·59	2·07·35	2·07·64	2·07·80	2·08·08	2·07·51	2·07·63	2·06·84	2·08·03	2·07·94	—
	30												
	31												

Date. Göttingen Mean Time.		INDUCTION CORRECTED FOR DECLINATION.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
OCTOBER, 1846.	1												
	2												
	3												
	4												
	5												
	6												
	7												
	8												
	9												
	10												
	11												
	12												
	13												
	14												
	15												
	16												
	17												
	18												
	19												
	20	1°21′91	1°21′90	1°21′85	1°22′01	1°21′78	1·22′05	1°22′10	1°21′58	1°22′12	1°22′16	1°21′95	1°221′2
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	1·21·78	1·22·02	1·22·08	1·22·07	1·21·91	1·22·09	1·21·84	1·22·10	1·21·89	1·22·19	1·21·95	1·22·32
	23	1·21·78	1·21·16	1·21·63	1·21.40	1·21·62	1·21·41	1·21·45	1·21·16	1·21·40	1·21·30	1·21·16	2·29·66
	24												
	25	2·29·25	2·29·20	2·29·13	2·29·52	2·29·45	2·29·25	2.29·30	2·28·98	2·28·94	2·29·42	2·29·33	2·29·39
	26	2·29·12	2·28·82	2·29·23	2·29·14	2·29·11	2·29·05	2·29·20	2·29·02	2·28·91	2·29·32	2·29·54	2·29·36
	27	2·29·28	2·29·08	2·29·11	2·28·94	2·29·08	2·28·80	2·28·70	2·28·99	2·28·63	2·29·11	2·28·92	2·29·11
	28	2·29·25	2·29·18	2·29·06	2·29·19	2·29·13	2·29·69	2·28·85	2·29·59	2·29·52	2·29·46	2·29·33	2·29·28
	29	2·29·21	2·29·18	2·29·34	2·28·98	2·29·44	2·29·32	2·29·42	2·29·14	2·29·11	2·29·25	2·29·20	2·29·28
	30	2·29·06	2·29·18	2·29·18	2·29·33	2·29·54	2·29·83	2·29·66	2·29·85	2 29·32	2·28·97	2·28·85	2·29·49
	31												

INDUCTION CORRECTED FOR DECLINATION.

	Date. Göttingen Mean Time.	Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
NOVEMBER, 1846.	1	2·29′82	2·29′78	2·29′64	2·29′15	2°29′51	2·29′80	2°29′59	2·29′59	2·29′58	2·29′08	2·29′51	2°29′32
	2	2·31·24	2·30·69	2·31·31	2·31·22	2·31·07	2·30·92	2·31·39	2·31·39	2·31·65	2·31·17	2·30·70	2·31·05
	3	2·28·31	2·28·62	2·28·44	2·28·29	2·28·33	2·28·51	2·28·65	2·28·53	2·28·42	2·28·49	2·28·42	2·28·24
	4	2·28·22	2·28·68	2·28·06	2·28·25	2·28·15	2·28·48	2·28·51	2·28·15	2·28·08	2·27·98	2·28·14	2·28·06
	5	2·27·95	2·28·12	2·28·27	2·27·98	2·27·71	2·28·55	2·28·38	2·28·20	2·28·29	2·28·26	2·28·19	2·28·34
	6	2·27·86	2·27·79	2·27·96	2·27·77	2·27·98	2·27·77	2·28·42	2·28·14	2·27·98	2·28·19	2·28·15	2·28·01
	7												
	8	2·28·20	2·28·29	2·28·25	2·27·96	2·27·41	2·28·12	2·28·27	2·28·15	2·27·64	2·28·33	2·28·41	2·28·41
	9	2·28·41	2·28·58	2·28·32	2·28·32	2·28·50	2·28·51	2·28·85	2·28·91	2·29·08	2·28·80	2·28·63	2·28·36
	10	2·28·37	2·28·21	2·28·65	2·28·53	2·28·19	2·28·68	2·28·67	2·28·84	2·28·60	2·28·77	2·28·49	2·28·75
	11	2·28·25	2·28·73	2·28·42	2·28·21	2·28·28	2·27·99	2·28·10	2·28·77	2·28·69	2·28·70	2·28·69	2·28·82
	12	2·28·63	2·28·66	2·28·63	2·28·32	2·28·24	2·28·42	2·28·80	2·28·68	2·28·39	2·28·34	2·28·41	2·28·42
	13	2·28·58	2·28·66	2·28·42	2·28·43	2·28·54	2·28·77	2·28·36	2·28·41	2·28·31	2·28·29	2·28·10	2·28·17
	14												
	15	2·28·70	2·28·46	2·28·25	2·28·20	2·28·48	2·28·80	2·28·74	2·28·61	2·28·68	2·28·44	2·28·58	2·28·35
	16	2·28·63	2·28·56	2·28·27	2·28·39	2·28·45	2·27·76	2·28·26	2·28·03	2·27·84	2·28·15	2·27·91	2·28·22
	17	2·28·72	2·28·66	2·28·58	2·28·61	2·28·73	2·28·32	2·29·18	2·29·33	2·29·50	2·29·33	2·28·99	2·29·22
	18	2·28·87	2·28·87	2·28·61	2·28·89	2·28·75	2·28·84	2·28·58	2·28·94	2·28·50	2·28·53	2·29·01	2·29·15
	19	2·28·29	2·28·32	2·28·41	2·28·50	2·28·31	2·28·08	2·28·72	2·28·46	2·28·55	2·28·50	2·28·34	2·28·05
	20	2·29·01	2·28·85	2·28·63	2·28·53	2·28·56	2·28·56	2·28·84	2·28·84	2·29·18	2·28·84	2·28·72	2·28·29
	21												
	22	1·20·87	1·20·68	1·20·75	1·20·68	1·20·47	1·20·61	1·20·61	1·20·23	1·20·75	1·20·66	1·20·85	1·20·54
	23	1·20·89	1·20·61	1·20·40	1·20·61	1·20·47	1·20·63	1·20·68	1·20·66	1·20·61	1·20·58	1·20·27	1·20·17
	24	1·20·65	1·20·63	1·20·42	1·20·44	1·20·16	1·20·82	1·20·77	1·20·65	1·20·84	1·20·89	1·20·68	1·20·51
	25	1·20·65	1·20·35	1·20·47	1·20·51	1·20·32	1·20·68	1·20·78	1·20·82	1·21·04	1·20·78	1·20·82	1·20·30
	26	1·20·34	1·20·22	1·20·27	1·20·37	1·20·59	1·20·56	1·20·30	1·20·78	1·21·07	1·20·59	1·20·64	1·20·58
	27	1·26·03	1·25·67	1·25·84	1·26·10	1·25·76	1·25·35	1·25·92	1·25·63	1·25·42	1·25·42	—	—
	28	—	—	—	—	—	—	—	—	—	—	1·25·45	1·25·78
	29												
	30	1·24·37	1·23·93	1·23·77	1·24·18	1·23·80	1·23·64	1·23·66	1·24·49	1·24·27	1·24·71	1·24·59	1·24·35
	31												

INDUCTION CORRECTED FOR DECLINATION.

	Date. Göttingen Mean Time.	Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
DECEMBER, 1846.	1	1°24′16	1·24′06	1·23′93	1·24′01	1·24′36	1·24′33	1·24′55	1°24′30	1·24′19	1·24′59	1·24′62	1°24′42
	2	1·24·69	1·24·76	1·24·54	1·24·73	1·24·59	1·24·66	1·25·07	1·25·03	1·25·24	1·24·90	1·24·86	1·24·09
	3	1·24·76	1·24·59	1·25·02	1·24·91	1·24·75	1·24·66	1·24·66	1·24·82	1·24·54	1·25·37	1·25·30	1·25·59
	4	1·25·48	1·25·17	1·25·28	1·25·24	1·25·28	1·25·41	1·25·33	1·25·62	1·25·89	1·25·45	1·25·07	1·25·12
	5												
	6	1·25·94	1·25·99	1·25·78	1·25·97	1·25·93	1·26·10	1·26·29	1·26·16	1·26·02	1·26·16	1·26·23	1·26·12
	7	1·25·99	1·26·12	1·26·13	1·26·14	1·26·07	1·26·33	1·26·40	1·26·33	1·26·45	1·26·07	1·26·23	1·26·09
	8	1·25·57	1·25·45	1·25·35	1·25·11	1·25·00	1·24·87	1·25·04	1·25·21	1·25·10	1·25·21	1·25·01	1·25·23
	9	1·25·14	1·24·66	1·24·59	1·24·48	1·24·45	1·24·63	1·24·59	1·24·59	1·24·50	1·24·94	1·24·88	1·24·71
	10	1·24·04	1·23·85	1·24·04	1·23·42	1·23·73	1·23·95	1·23·89	1·23·87	1·23·90	1·23·92	1·23·80	1·23·54
	11	1·23·87	1·23·66	1·23·49	1·23·64	1·23·61	1·23·32	1·23·49	1·23·49	1·23·49	1·23·23	1·23·23	1·23·16
	12												
	13	1·24·17	1·23·87	1·23·76	1·23·68	1·23·60	1·23·66	1·23·71	1·23·75	1·23·72	1·23·96	1·23·80	1·23·75
	14	1·24·59	1·24·23	1·24·20	1·24·09	1·24·35	1·24·67	1·24·35	1·24·66	1·24·71	1·24·66	1·24·73	1·24·52
	15	1·25·62	1·25·21	1·25·14	1·25·21	1·24·85	1·25·10	1·25·28	1·25·28	1·25·21	1·25·28	1·25·10	1·24·99
	16	1·25·04	1·24·78	1·24·80	1·24·78	1·24·57	1·24·85	1·25·07	1·25·10	1·25·02	1·24·73	1·24·71	1·24·83
	17	1·24·35	1·24·27	1·24·07	1·24·21	1·24·07	1·23·91	1·23·85	1·23·81	1·23·49	1·23·77	1·23·84	1·23·78
	18	1·23·90	1·23·81	1·23·64	1·23·66	1·23·73	1·21·76	1·21·97	1·22·22	1·22·40	1·22·26	1·22·29	1·22·43
	19												
	20	1·23·55	1·23·34	1·20·83	1·21·43	1·21·71	1·22·05	1·22·14	1·22·19	1·22·05	1·21·79	1·21·95	1·21·72
	21	1·23·08	1·22·61	1·22·29	1·22·76	1·22·49	1·23·08	1·22·98	1·22·93	1·23·23	1·23·05	1·22·84	1·22·91
	22	1·23·58	1·23·68	1·23·68	1·23·55	1·23·51	1·23·66	1·23·66	1·23·78	1·23·58	1·23·63	1·23·63	1·23·77
	23	1·24·78	1·24·45	1·24·14	1·23·88	1·24·59	1·24·81	1·24·49	1·24·01	1·24·93	1·24·40	—	—
	24	—	—	—	—	—	—	—	—	—	—	1·24·13	1·24·22
	25	1·24·01	1·24·09	1·23·94	1·24·08	1·24·06	1·23·80	1·24·04	1·23·70	1·23·75	1·23·49	1·23·83	1·23·70
	26												
	27	1·23·10	1·22·99	1·23·44	1·23·37	1·23·09	1·23·08	1·22·95	1·22·75	1·22·86	1·22·96	1·23·05	1·22·84
	28	1·23·46	1·22·83	1·22·99	1·23·29	1·23·37	1·23·49	1·23·58	1·22·93	1·23·75	1·23·45	1·23·73	1·23·42
	29	1·23·70	1·23·65	1·23·47	1·23·41	1·23·54	1·24·07	1·23·80	1·23·85	1·23·97	1·23·87	1·23·73	1·23·42
	30	1·23·70	1·23·41	1·23·53	1·23·50	1·23·53	1·23·70	1·23·67	1·23·58	1·23·50	1·23·08	1·23·03	1·22·92
	31	1·23·97	1·23·75	1·23·55	1·23·76	1·23·75	1·23·80	1·23·82	1·24·07	1·23·73	1·23·32	1·23·10	1·23·06

Date. Göttingen Mean Time.		INDUCTION CORRECTED FOR DECLINATION.											
		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
NOVEMBER, 1846.	1	2°29′47	2°29′32	2°29′28	2°29′68	2°29′42	2°29′15	2°29′57	2°29′25	2°29′25	2°29′50	2°29′28	2°29′25
	2	2·30·70	2·30·76	2·30·70	2·28·22	2·28·30	2·28·48	2·28·06	2·28·25	2·28·56	2·28·08	2·28·24	2·28·29
	3	2·28·42	2·28·27	2·28·05	2·28·12	2·28·31	2·27·79	2·27·88	2·27·94	2·27·98	2·28·01	2·28·12	2·28·50
	4	2·28·34	2·28·19	2·27·99	2·27·79	2·28·17	2·27·82	2·27·93	2·27·75	2·28·11	2·28·42	2·28·25	2·28·12
	5	2·28·20	2·27·95	2·28·00	2·27·77	2·27·44	2·27·81	2·28·68	2·28·42	2·27·60	2·27·77	2·28·08	2·27·65
	6	2·28·05	2·27·60	2·27·74	2·27·76	2·28·10	2·27·47	2·27·68	2·27·87	2·27·94	2·27·88	2·27·71	2·28·15
	7												
	8	2·28·39	2·28·49	2·28·32	2·28·24	2·28·41	2·28·56	2·28·17	2·28·87	2·28·60	2·28·25	2·28·29	2·28·24
	9	2·28·32	2·28·02	2·28·39	2·28·41	2·28·70	2·28·56	2·28·06	2·28·22	2·28·51	2·29·04	2·28·72	2·28·43
	10	2·28·39	2·28·41	2·28·26	2·28·58	2·28·47	2·28·50	2·28·91	2·28·29	2·29·11	2·28·15	2·28·56	2·28·46
	11	2·28·60	—	—	2·28·47	2·28·78	2·28·34	2·27·96	2·28·51	2·28·92	2·29·03	2·28·94	2·28·64
	12	2·28·29	2·28·13	2·28·42	2·28·60	2·28·47	2·28·60	2·28·22	2·28·78	2·28·99	2·28·87	2·28·70	2·29·11
	13	2·28·33	2·28·27	2·28·11	2·28·17	2·27·80	2·28·66	2·28·41	2·28·70	2·28·56	2·28·39	2·28·53	2·28·37
	14												
	15	2·28·63	2·28·29	2·28·61	2·28·15	2·28·35	2·28·15	2·28·02	2·28·03	2·28·45	2·28·77	2·29·04	2·28·66
	16	2·28·11	2·28·39	2·28·16	2·28·56	2·28·92	2·28·64	2·28·94	2·28·86	2·28·51	2·29·04	2·29·18	2·28·77
	17	2·28·63	2·28·87	2·28·85	2·28·85	2·28·89	2·29·39	2·28·91	2·29·15	2·29·27	2·29·59	2·29·51	2·29·53
	18	2·28·80	2·28·46	2·28·70	2·28·32	2·28·74	2·28·65	2·28·74	2·28·17	2·28·84	2·28·83	2·28·84	2·28·56
	19	2·28·65	2·28·73	2·28·66	2·28·75	2·28·79	2·28·50	2·28·37	2·29·01	2·28·91	2·28·58	2·29·11	2·28·58
	20	2·28·56	—	2·28·75	2·28·70	2·28·85	2·28·53	2·28·51	2·28·87	2·29·18	2·28·79	2·29·08	2·29·11
	21												
	22	1·20·21	1·20·14	1·20·52	1·20·42	1·20·80	1·20·42	1·20·39	1·20·79	1·20·42	1·20·82	1·20·60	1·20·89
	23	1·20·32	1·20·15	1·20·56	1·20·32	1·20·62	1·20·99	1·20·54	1·20·46	1·20·68	1·20·75	1·20·81	1·20·48
	24	1·20·51	1·20·42	1·20·79	1·20·70	1·20·56	1·20·39	1·20·56	1·20·59	1·20·28	1·20·56	1·20·34	1·20·96
	25	1·20·52	1·20·48	1·20·17	1·20·85	1·21·06	1·20·71	1·21·23	1·21·02	1·20·78	1·20·68	1·20·51	1·20·36
	26	1·20·44	1·20·47	1·20·56	1·20·57	1·20·30	1·20·37	1·20·17	1·22·67	1·24·42	1·25·48	1·25·53	1·25·89
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	1·25·66	1·25·18	1·25·20	1·25·33	1·25·56	1·25·79	1·25·62	1·25·62	1·25·62	1·25·48	1·25·42	1·25·43
	29												
	30	1·23·97	1·23·90	1·24·03	1·23·87	1·24·21	1·24·02	1·23·94	1·24·14	1·24·63	1·24·05	1·24·25	1·24·04
	31												

Date. Göttingen Mean Time.		INDUCTION CORRECTED FOR DECLINATION.											
		12^h	13^h	14^h	15^h	16	17^h	18^h	19^h	20^h	21^h	22^h	23^h
DECEMBER, 1846.	1	1°24′28	1°24′38	1°24′37	1°24′59	1°24′25	1°24′90	1°24′61	1°24′95	1°24′53	1°24′67	1°24′90	1°25′19
	2	1·24·66	1·24·73	1·24·49	1·25·07	1·25·33	1·25·24	1·25·54	1·25·26	1·25·10	1·24·73	1·25·00	1·24·69
	3	1·25·28	1·25·06	1·25·28	1·25·07	1·25·55	1·25·07	1·24·93	1·25·20	1·25·48	1·25·60	1·25·53	1·25·66
	4	1·25·25	1·25·28	1·25·05	1·25·19	1·25·43	1·25·26	1·26·12	1·25·76	1·25·95	1·25·86	1·25·76	1·25·33
	5												
	6	1·26·05	1·25·74	1·25·80	1·26·03	1·26·28	1·25·94	1·26·00	1·25·42	1·25·95	1·26·14	1·26·06	1·26·07
	7	1·26·02	1·25·98	1·25·56	1·25·93	1·26·07	1·25·69	1·25·93	1·25·45	1·26·02	1·25·54	1·25·41	1·25·86
	8	1·25·18	1·24·70	1·25·08	1·24·87	1·25·17	1·25·52	1·24·87	1·25·23	1·25·19	1·25·10	1·24·96	1·24·97
	9	1·24·59	1·24·66	1·24·52	1·24·85	1·23·20	1·23·77	1·23·95	1·24·04	1·23·66	1·23·90	1·23·40	1·23·30
	10	1·23·97	1·23·73	1·23·68	1·23·50	1·24·13	1·24·18	1·24·73	1·23·58	1·23·97	1·23·79	1·23·87	1·23·82
	11	1·23·17	1·23·79	1·22·92	1·22·94	1·23·47	1·23·87	1·21·18	1·23·66	1·23·13	1·23·67	1·23·49	1·23·44
	12												
	13	1·24·09	1·24·00	1·24·30	1·24·72	1·24·72	1·24·87	1·25·50	1·25·04	1·24·87	1·25·04	1·24·71	1·24·33
	14	1·24·90	1·24·45	1·24·61	1·24·37	1·24·86	1·25·04	1·25·09	1·25·07	1·25·63	1·25·43	1·25·21	1·25·00
	15	1·24·69	1·24·71	1·24·16	1·24·55	1·25·12	1·24·85	1·24·87	1·25·21	1·25·40	1·25·12	1·25·10	1·25·19
	16	1·24·79	1·24·47	1·24·62	1·23·97	1·24·79	1·25·41	1·24·97	1·25·64	1·25·58	1·26·02	1·24·66	1·24·37
	17	1·23·54	1·23·15	1·23·29	1·23·56	1·23·93	1·24·08	1·23·81	1·24·25	1·24·07	1·24·11	1·24·11	1·24·05
	18	1·22·02	1·21·90	1·21·86	1·21·83	1·21·91	1·22·77	1·22·74	1·22·33	1·22·38	1·22·55	1·22·69	1·22·98
	19												
	20	1·21·80	1·21·57	1·21·45	1·22·34	1·22·19	1·22·48	1·22·31	1·22·74	1·22·19	1·22·60	1·22·74	1·23·34
	21	1·22·89	1·22·81	1·22·87	1·23·18	1·23·59	1·23·66	1·23·77	1·23·30	1·23·27	1·23·49	1·23·53	1·23·58
	22	1·23·46	1·23·29	1·23·28	1·23·62	1·24·02	1·24·30	1·24·49	1·23·96	1·24·18	1·24·71	1·24·70	1·24·84
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	1·24·13	1·24·09	1·23·20	1·24·09	1·24·85	1·23·30	1·23·59	1·23·32	1·23·49	1·23·77	1·23·84	1·24·20
	25	1·23·42	1·22·89	1·23·32	1·23·13	1·23·46	1·23·63	1·23·84	1·22·60	1·22·81	1·23·15	1·23·46	1·23·37
	26												
	27	1·22·96	1·22·69	1·22·58	1·22·72	1·23·00	1·22·74	1·22·68	1·23·12	1·23·42	1·23·08	1·23·11	1·23·41
	28	1·23·05	1·22·60	1·22·84	1·23·02	1·23·95	1·23·72	1·24·46	1·23·77	1·24·11	1·23·84	1·23·53	1·23·68
	29	1·23·05	1·23·35	1·22·85	1·22·70	1·23·58	1·24·03	1·23·56	1·23·86	1·23·87	1·24·31	1·24·32	1·23·68
	30	1·23·18	1·23·22	1·22·98	1·22·67	1·23·14	1·23·75	1·23·49	1·23·67	1·23·56	1·23·77	1·24·24	1·23·90
	31	1·23·53	1·23·15	1·22·98	1·23·11	1·23·90	1·23·30	1·23·56	1·23·49	1·23·49	1·23·56	1·23·32	1·23·42

TERM DAY-OBSERVATIONS, 27th AND 28th FEBRUARY 1846

LARGE DECLINATION MAGNETOMETER

Göttingen Mean Time. M. S.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
0·0	13′362	13′219	13′510	13′389	13′940	14′849	15′021	14′219	12′808	11′397	11′019	11′810
5·0	13·425	13·425	13·510	13·527	14·111	14·879	15·211	14·076	12·635	11·259	11·053	11·845
10·0	13·493	13·406	12·493	13·562	14·111	14·901	15·280	13·906	12·463	11·225	10·985	12·015
15·0	13·355	13·338	13·493	13·389	14·076	14·867	15·108	13·871	12·256	11·019	11·088	12·188
20·0	13·442	13·406	13·579	13·476	14·351	14·867	15·004	13·768	12·119	10·985	11·088	12·256
25·0	13·442	13·562	13·562	13·664	14·096	15·038	14·953	13·596	11·947	11·019	11·122	12·445
30·0	13·527	13·459	13·630	13·700	14·283	15·004	14·867	13·562	11·707	10·985	11·157	12·533
35·0	13·527	13·389	13·562	13·647	14·454	15·021	14·798	13·425	11·639	10·951	11·225	12·567
40·0	13·338	13·389	13·579	13·647	14·609	14·953	14·694	13·321	11·501	11·053	11·327	12·703
45·0	13·355	12·910	13·510	13·854	14·437	15.055	14·523	13·150	11·431	11·088	11·431	12·806
50·0	13·459	13·253	13·442	13·734	14·762	15·004	14·454	13·150	11·465	11·088	11·501	12·944
55·0	13·287	13·442	13·304	13·681	14·687	15·074	14·386	12·944	11·397	11·088	11·639	13·115

LARGE HORIZONTAL FORCE MAGNETOMETER.

Göttingen Mean Time. M. S.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
2·0	13·175	13′132	13·200	13·315	13·237	13·390	13·645	13·670	14·010	14·150	13·950	13·675
7·0	13·177	13·167	13·170	13·177	13·230	13·440	13·627	13·700	14·010	14·140	13·920	13·655
12·0	13·197	13·155	13·200	13·207	13·275	13·460	13·595	13·750	14·030	14·160	13·865	13·665
17·0	13·195	13·130	13·195	13·192	13·285	13·460	13·575	13·800	14·035	14·155	13·855	13·632
22·0	13·182	13·197	13·185	13·210	13·290	13·495	13·575	13·852	14·060	14·120	13·865	13·625
27·0	13·162	13·197	13·197	13·230	13·280	13·500	13·610	13·890	14·090	14·090	13·847	13·600
32·0	13·162	13·185	13·195	13·237	13·260	13·505	13·620	13·930	14·090	14·070	13·812	13·545
37·0	13·162	13·200	13·180	13·215	13·300	13·507	13·650	13·960	14·090	14·040	13·805	13·507
42·0	13·165	13·205	13·182	13·207	13·295	13·527	13·680	13·975	14·115	14·025	13·770	13·500
47·0	13·162	13·192	13·220	13·190	13·350	13·592	13·700	13·975	14·095	14·000	13·745	13·485
52·0	13·151	13·200	13·212	13·220	13·410	13·600	13·670	13·990	14·092	13·980	13·735	13·470
57·0	13·170	13·202	13·217	13·210	13·400	13·625	13·657	14·000	14·120	13·970	13·700	13·455
Therm.	77°·9	77·8	77·5	77°·5	77°·0	76°·9	77°·6	79°·2	80·7	81°·9	82°·0	82°·3

VERTICAL FORCE MAGNETOMETER.

Göttingen Mean Time. M. S.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
3·0	–0·05·30	–0·16·37	–0·04·95	+0·10·00	–0·28·00	–0·28·00	-1·20·50	–3·01·80	–3·46·40	–2·47·10	–1·30·20	–0·12·75
8·0	–0·05·20	–0·16·37	–0·05·70	+0·10·00	–0·28·00	–0·28·00	–1·28·30	–3·04·60	–3·42·70	–2·40·00	–1·26·00	–0·04·05
13·0	–0·05·20	–0·16·37	–0·05·70	–0·28·40	–0·28·00	–0·28·00	–1·36·50	–3·17·90	–3·42·70	–2·34·60	–1·21·35	–0·01·90
18·0	–0·05·20	–0·15·55	–0·05·70	–0·28·40	–0·25·25	–0·28·00	–1·40·10	–3·20·60	–3·42·70	–2·30·50	–1·19·32	+0·07·85
23·0	–0 05·20	–0·12·55	–0·00·90	–0·38·00	–0·14·90	–0·33·30	–2·02·90	–3·25·80	–3·38·10	–2·21·20	–1·12·10	+0·11·20
28·0	–0·09·37	–0·11·25	–0·00·90	–0.38·00	–0·14·90	–0·33·30	–2·14·00	–3·25·80	–3·38·10	–2·17·00	–1·06·30	+0·16·55
33·0	–0·09·37	–0·11·25	–0·00·90	–0·38·00	–0·07·67	–0·33·30	–2·14·00	–3·34·90	–3·31·25	–2·11·30	–1·00·95	+0·20·35
38·0	–0·13·75	–0·08·35	–0·05·50	–0·28·00	–0·07·25	–0·42·30	–2·22·50	–3·32·50	–3·27·10	–2·03·10	–0·43·10	+0·28·30
43·0	–0·13·75	–0·08·95	–0·05·50	–0·28·00	–0·07·25	–0·42·30	–2·26·60	–3·32·50	–3·21·40	–1·44·70	–0·36·27	+0·30·70
48·0	–0·17·25	–0·02·55	–0·15·00	–0·28·00	–0·19·60	–0·48·90	–2·29·20	–3·39·45	–3·11·70	–1 44·70	–0·31·00	+0·34·20
53·0	–0·16·37	–0·02·55	–0·15·00	–0·28·00	-0·19·60	–1·08·50	–2·34·00	–3·39·45	–3·02·50	–1·39·70	–0·27·60	+0·38·00
03·0	–0·16·37	–0·02·55	–0·15·00	–0·28·00	–0·28·00	–1·08·50	–2·41·20	–3·46·40	–2·49·70	–1·35·70	–0·19·90	+0·43·50
Therm.	80°·2	80·0	79°·9	80·2	80°·3	78·5	78·0	78°·7	79·7	80·5	81·0	81·2

TERM DAY OBSERVATIONS, 27th AND 28th FEBRUARY, 1846.

LARGE DECLINATION MAGNETOMETER.

Göttingen Mean Time	22^h	23^h	Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h
M. S.												
0·0	13′219	14′317	14′626	14′592	13′940	13′630	13′664	13′802	13′630	13′425	13′389	13′287
5·0	13·287	14·488	14·694	14·592	13·957	13·596	13·596	13·768	13·562	13·425	13·389	13·287
10·9	13·321	14·592	14·660	14·592	13·906	13·664	13·596	13·768	13·493	13·425	13·389	13·321
15·0	13·425	14·660	14·660	14·523	13·906	13·630	13·630	13·802	13·493	13·425	13·493	13·355
20·0	13·647	14·694	14·592	14·523	13·906	13·681	13·596	13·837	13·493	13·425	13·459	13·355
25·0	13·734	14·660	14·592	14·351	13·906	13·700	13·630	13·768	13·493	13·355	13·459	13·355
30·0	13·906	14·660	14·592	14·334	13·906	13·700	13·664	13·734	13·493	13·355	13·355	13·355
35·0	13·906	14·660	14·592	14·249	13·906	13·647	13·664	13·700	13·493	13·355	13·287	13·287
40·0	13·974	14·660	14·592	14·249	13·888	13·664	13·734	13·700	13·493	13·355	13·287	13·253
45·0	14·025	14·660	14·592	14·213	13·700	13·630	13·768	13·700	13·493	13·355	13·287	13·219
50·0	14·317	14·660	14·592	14·111	13·630	13·664	13·802	13·700	13·493	13·355	13·287	13·150
55·0	14·266	14·660	14·592	14·076	13·664	13·664	13·802	13·700	13·425	13·355	13·287	13·287

LARGE HORIZONTAL FORCE MAGNETOMETER.

Göttingen Mean Time.	22^h	23^h	Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h
M. S.												
2·0	13·405	13·087	12·900	12·855	12·800	12·850	12·900	12·940	13·100	13·210	13·340	13·272
7·0	13·380	13·047	12·895	12·850	12·800	12·852	12·900	12·950	13·100	13·210	13·360	13·272
12·0	13·380	13·035	12·867	12·850	12·850	12·850	12·900	12·987	13·100	13·280	13·297	13·265
17·0	13·342	13·012	12·865	12·850	12·795	12·867	12·880	12·995	13·120	13·280	13·270	13·270
22·0	13·322	12·975	12·890	12·850	12·800	12·855	12·920	12·990	13·145	13·300	13·270	13·275
27·0	13·300	12·970	12·862	12·845	12·800	12·855	12·910	13·010	13·100	13·300	13·275	13·295
32·0	13·270	12·960	12·865	12·817	12·765	12·860	12·935	13·005	13·150	13·290	13·290	13·300
37·0	13·245	12·950	12·850	12·805	12·797	12·900	12·930	13·035	13·150	13·290	13·295	13·300
42·0	13·210	12·945	12·860	12·810	12·827	12·905	12·930	13·015	13·150	13·290	13·275	13·300
47·0	13·165	12·920	12·855	12·815	12·810	12·905	12·935	13·045	13·180	13·310	13·297	13·300
52·0	13·145	12·910	12·855	12·805	12·840	12·892	12·940	13·050	13·230	13·330	13·285	13·300
57·0	13·105	12·900	12·860	12·800	12·850	12·907	12·910	13·050	13·220	13·340	13·275	13·300
Therm.	82°·6	83°·0	83°·0	82°·1	81°·1	80°·3	79°·8	79°·1	79°·0	78°·9	78°·8	78°·8

VERTICAL FORCE MAGNETOMETER.

Göttingen Mean Time.	22^h	23^h	Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h
M. S.												
3·0	+0·41·80	+1·02·05	+0·31·05	−0·05·20	−0·29·50	−1·31·65	−0·31·35	+0·18·60	−0·15·80	−0·42·50	−1·01·30	−1·07·95
8·0	+0·45·87	+0·48·50	+0·26·20	−0·05·20	−0·39·55	−1·31·65	−0·31·90	+0·18·60	−0·27·40	−0·46·60	−1·00·90	−1·07·95
13·0	+0·45·87	+0·48·50	+0·26·20	−0·09·75	−0·39·55	−1·20·10	−0·24·40	+0·25·40	−0 .30·00	−0·44·80	−1·00·90	−1·05·55
18·0	+0·49·00	+0·48·50	+0·21·25	−0·14·45	−0·47·75	−1·14·67	−0·24·40	+0·30·80	−0·36·10	−0·49·10	−1·00·90	−1·02·15
23·0	+1·00·30	+0·45·85	+0·21·25	−0·15·70	−0·49·65	−1·08·50	−0·16·60	+0·35·50	−0·35·60	−1·02·70	−1·02·00	−0·44·80
28·0	+1·00·30	+0·41·25	+0·14·10	−0·15·70	−1·09·57	−1·08·50	−0·10·00	+0·31·20	−0·35·60	−1·02·70	−1·08·25	−0·44·80
33·0	+1·00·30	+0 34·25	+0·09·50	−0·15·70	−1·15·02	−1·01·55	−0·10·00	+0·22·60	−0·43·50	−1·02·70	−1·08·25	−0·41·50
38·0	+1·03·90	+0·34·25	+0·09·50	−0·19·50	−1·18·35	−0·43·28	−0·10·00	+0·20·80	−0·43·50	−1·02·70	−1·08·25	−0·39·70
43·0	+1·02·25	+0·35·90	+0·09·50	−0·19·50	−1·23·35	−0·42·50	+0·03·20	+0·08·40	−0·39·30	−1 02·70	−1·08·25	−0·39·70
48·0	+1·02·25	+0·33·25	−0·01·70	−0·17·00	−1·23·35	−0·35·80	+0·06·90	+0·02·00	−0·46·60	−1·02·70	−1·08·25	−0·37·15
53·0	+1·03·35	+0·31·05	−0,01·70	−0·21·05	−1·23·35	−0·35·80	+0 11·90	−0·10·70	−5·44·80	−1·02·70	−1·08·25	−0·37·15
58·0	+1·03·35	+0·31·05	−0·05·20	−0·29·40	−1·31·65	−0·35·80	+0·17·70	−0·07·10	−1·01·90	−1·02·70	−1·07·95	−0·39·15
Therm.	81°·7	82°·5	83°·0	82°·5	82°·5	83°·0	82°·0	81°·8	82°·4	83°·4	83°·8	84°·2

TERM DAY OBSERVATIONS, 18th AND 19th MARCH, 1846.

LARGE DECLINATION MAGNETOMETER.

Göttingen Mean Time. M. S.	10^{h}	11^{h}	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}
0·0	13′·321	13′·700	13′·630	13′·355	13′·734	14′·798	15′·348	15′·450	15′·074	13′·630	12′·428	12′·188
5·0	13·493	13·768	13·647	13·406	13·785	14·832	15·348	15·382	14·936	13·562	12·188	12·256
10·0	13·527	13·768	13·527	13·389	13·837	14·936	15·348	15·314	14·867	13·425	12·188	12·226
15·0	13·562	13·700	13·459	13·442	13·940	15·074	15·348	15·314	14·867	13·287	12·188	12·326
20·0	13·493	13·664	13·304	13·459	14·042	15·091	15·348	15·348	14·694	13·219	12·188	12·290
25·0	13·527	13·768	13·219	13·459	14·179	15·038	15·348	15·416	14·592	13·081	12·188	12·326
30·0	13·596	13·768	13·219	13·562	14·249	15.245	15·382	15·450	14·523	12·944	12·188	12·394
35·0	13·425	13·700	13·287	13·493	14·317	15·280	15·348	15·450	14·283	12·876	12·188	12·463
40·0	13·562	13·562	13·219	13·613	14·420	15·348	15·416	15·382	14·213	12·840	12·188	12·533
45·0	13·527	13·630	13·372	13·700	14·523	15·348	15·416	15·314	14·042	12·703	12·188	12·533
50·0	13·562	13·562	13·383	13·768	14·677	15·348	15·416	15·314	13·906	12·601	12·188	12·601
55·0	13·579	13·562	13·442	13·802	14·798	15·348	15·416	15·280	13·768	12·533	12·188	12·635

LARGE HORIZONTAL FORCE MAGNETOMETER.

Göttingen Mean Time. M. S	10^{h}	11^{h}	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}
2·0	13·595	13·465	13·630	13·640	13·537	13·457	14·075	14·320	14·500	14·260	14·050	13·655
7·0	13·605	13·450	13·625	13·660	13·425	13·550	14·075	14·375	14·485	14·240	14·045	13·630
12·0	13·630	13·460	12·667	13·622	13·572	13·550	14·050	14·375	14·475	14·220	14·022	13·580
17·0	13·630	13·437	13·665	13·657	13·335	13·565	14·040	14·440	14·450	14·210	14·000	13·560
22·0	13·600	13·425	13·657	13·645	13·485	13·660	14·050	14·450	14·410	14·205	13·950	13·550
27·0	13·580	13·460	13·642	13·620	13·445	13·642	14·100	14·450	14·400	14·205	13·910	13·535
32·0	13·555	13·495	13·700	13·570	13·405	13·715	14·100	14·440	14·350	14·200	13·880	13·505
37·0	13·525	13·475	13·645	13·590	13·437	13·755	14·150	14·450	14·355	14·155	13·850	13·500
42·0	13·500	13·525	13·652	13·600	13·560	13·760	14·180	14·450	14·325	14·140	13·810	13·455
47·0	13·475	13·510	13·650	13·595	13·507	13·892	14·200	14·450	14·310	14·140	13·800	13·440
52·0	13·425	13·510	13·597	13·532	13·542	13·905	14·275	14·475	14·300	14·100	13·700	13·400
57·0	13·440	13·625	13·635	13·550	13·520	13·987	14·285	14·470	14·265	14·060	13·685	13·370
Therm.	77°·2	77°·0	77°·0	77°·0	77°·2	76°·9	77°·3	78°·1	80°·2	80°·4	81°·0	81°·7

VERTICAL FORCE MAGNETOMETER.

Göttingen Mean Time. M. S.	10^{h}	11^{h}	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}
3·0	+0·23·00	+0·23·70	+0·09·90	+0·27·20	+0·45·80	+0·22·05	+0·12·85	-0·21·90	-2·12·50	-3·14·75	-2·41·10	-1·12·40
8·0	+0·29·10	+0·19·80	+0·09·90	+0·25·60	+1·07·25	+0·20·80	+0·12·85	-0·35·45	-2·12·50	-3·14·75	-2·43·30	-1·06·00
13·0	+0·29·10	+0·19·80	+0·05·50	+0·27·00	+1·10·55	+0·19·00	+0·12·85	-0·35·45	-2·12·15	-3·19·75	-2·36·20	-1·01·40
18·0	+0·29·10	+0·14·90	+0·02·70	+0·25·95	+1·06·45	+0·19·00	+0·05·50	-0·44·50	-2·34·00	-3·19·75	-2·25·10	-0·43·20
23·0	+0·29·10	+0·17·30	+0·04·60	+0·27·10	+1·05·15	+0·16·75	+0·05·50	-0·44·50	-2·34·00	-3·24·75	-2·17·50	-0·37·00
28·0	+0·32·50	+0·17·30	+0·13·30	+0·30·50	+1·00·30	+0·18·85	-0·01·40	-0·44·50	-2·34·00	-3·24·75	-2·08·30	-0·30·60
33·0	+0·32·50	+0·17·30	+0·19·95	+0·26·95	+0·44·65	+0·14·40	-0·07·65	-0·48·15	-2·42·10	-3·34·35	-2·00·30	-0·22·60
38.0	+0·28·20	+0·10·60	+0·23·10	+0·26·95	+0·36·30	+0·12·05	-0·07·65	-1·06·60	-2·42·50	-3·12·00	-2·44·70	-0·15·50
43·0	+0·28·20	+0·10·60	+0·23·10	+0·26·95	+0·31·40	+0·08·95	-0·07·65	-1·14·45	-2·42·50	-3·12·00	-1·37·60	-0·08·10
48·0	+0·28·20	+0·10·60	+0·27·20	+0·36·00	+0·31·40	+0·04·10	-0·07·65	-1·25·05	-3·06·00	-3·07·40	-1·33·10	+0·00·20
53·0	+0·28·20	+0·08·35	+0·27·20	+0·37·60	+0·28·05	+0·00·05	-0·07·65	-1·25·05	-3·06·00	-3·03·30	-1·26·40	+0·12·20
58·0	+0·23·70	+0·09·90	+0·27·20	+0·42·45	+0·22·05	+0·00·05	-0·21·90	-1·25·05	-3·14·75	-2·43·30	-1·18·80	+0·18·50
Therm.	80°·6	80°·6	80°·9	80°·7	80°·8	78°·5	77·9	78°·5	79°·5	80°·0	80°·4	81°·2

TERM DAY OBSERVATIONS 18th AND 19th MARCH, 1846.

LARGE DECLINATION MAGNETOMETER.

Göttingen Mean Time.	22^{h}	23^{h}	Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}
M. S.												
0·0	12′·806	13′·906	14′·179	13′·819	13′·219	13′·596	13′·476	13′·459	13′·493	13′·355	13′·768	13′·802
5·0	12·978	13·940	14·179	13·768	13·150	13·664	13·425	13·425	13·562	13·287	13·768	13·802
10·0	13·115	13·940	14·111	13·700	13·304	13·700	13·287	13·253	13·630	13·459	13·734	13.802
15·0	13·219	13·974	14·145	13·700	13·287	13·700	13·355	13·355	13·630	13·596	13·717	13·630
20·0	13·219	14·042	14·111	13·596	13·287	13·664	13·287	13·355	13·527	13·630	13·717	13·613
25·0	13·253	14·076	14·111	13·562	13·287	13·647	13·287	13·355	13·493	13·802	13·768	13·596
30·0	13·355	14·111	14·008	13·562	13·287	13·562	13·287	13·425	13·562	13·906	13·768	13·562
35·0	13·493	14·111	13·940	13·389	13·321	13·562	13·287	13·493	13·562	13·871	13·768	13·562
40·0	13·630	14·179	13·906	13·321	13·425	13·527	13·287	13·493	13·562	13·768	13·802	13·493
45·0	13·837	14·213	13·802	13·287	13·425	13·562	13·459	13·493	13·493	13·768	13·837	13·425
50·0	13·871	14·249	13·734	13·287	13·562	13·562	13·493	13·459	13·459	13·700	13·837	13·493
55·0	13·906	14·179	13·802	13·287	13·596	13·493	13·562	13·493	13·425	13·768	13·734	13·425

LARGE HORIZONTAL FORCE MAGNETOMETER.

Göttingen Mean Time.	22^{h}	23^{h}	Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}
M.S												
2·0	13·345	13·010	12·870	12·745	12·835	12·790	12·800	12·810	12·785	12·990	13·030	13·080
7·0	13·300	13·020	12·867	12·750	12·820	12·795	12·750	12·815	12·825	12·960	13·035	13·100
12·0	13·265	13·000	12·865	12·750	12·790	12·802	12·750	12·775	12·910	12·950	13·035	13·090
17·0	13·250	12·960	12·852	12·752	12·760	12·780	12·790	12·785	13·025	12·925	13·035	13·090
22·0	13·250	12·950	12·825	12·770	12·740	12·770	12 815	12·775	13·085	12·935	13·030	13·120
27·0	13·250	12·940	12·800	12·772	12·750	12·747	12·825	12·775	13·115	12·925	13·030	13·155
32·0	13·210	12·915	12·785	12·785	12·750	12·752	12·785	12·810	13·125	12·940	12·990	13·170
37·0	13·200	12·905	12·770	12·810	12·710	12·785	12·800	12·710	13 110	12·960	12·980	13·210
42·0	13·150	12·880	12·777	12·850	12·700	12·802	12·810	12·690	13·075	12·975	12·965	13·220
47·0	13·140	12·865	12·780	12·850	12·665	12·817	12·830	12·685	13·030	13·010	13·035	13·240
52·0	13·095	12.875	12·775	12·850	12·687	12·827	12·825	12·725	13·000	13·000	13·000	13·210
57·0	13·065	12·880	12·735	12·815	12·725	12·812	12·785	12·770	13·010	13·025	13·045	13·240
Therm.	81°·9	82°·0	82°·0	81°·4	80°·6	80°·0	79°·6	79°·3	79°·1	79°·0	79°·0	78°·9

VERTICAL FORCE MAGNETOMETER.

Göttingen Mean Time.	22^{h}	23^{h}	Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}
M. S.												
3·0	+0·23·70	+1·08·10	+0·36·40	+0·04·55	–0·16·95	–0·07·75	–0·14·25	–0.21·90	–0·08 30	+0·20·40	+0·16·20	+0·12·60
8·0	+0·31·90	+1·08·10	+0·33·10	+0·00·20	-0·13·70	–0·07·75	–0·14·25	–0·21·90	–0·08·30	+0·20·40	+0·16·20	+0·12·60
13·0	+0·35·00	+1·09·40	+0·31·00	+0·00·20	–0·10·45	–0·07·75	–0·18·10	–0·32·50	–0·08·30	+0·20·40	+0·16·20	+0·12·60
18·0	+0·38·00	+1·09·40	+0·30·50	–0·06·65	–0·10·45	–0·07·50	–0·28·00	–0·32 50	–0·08·30	+0·23·35	+0·16·20	+0·12·60
23·0	+0·40·90	+1·09·40	+0·28·25	–0·10·25	–0·10·85	–0·07·50	–0·28·00	–0·15·25	–0·08·30	+0·23·35	+0·12·60	+0·22·00
28·0	+0·46·00	+1·01·30	+0·25·28	–0·10·25	–0·11·65	–0·07·50	–0·28·00	–0·15·25	–0·08·30	+0·23·35	+0·12·60	+0·22·00
33·0	+0·47·60	+1 02·40	+0·21·70	–0·13·20	–0·11·65	–0·10·00	–0·28·00	–0·15·25	–0·04·35	+0·18·90	+0·12·60	+0·22·00
38·0	+1·06·00	+1·01·80	+0·18·95	–0·15·50	–0·11·65	–0 09·40	–0·28·75	–0·08·30	–0·04·35	+0·18·75	+0·12·60	+0·22·00
43·0	+1·06·60	+1·01·80	+0·08·10	–0·17·55	–0·08·00	–0·07·90	–0·28·75	–0·08·30	+0·13·25	+0·18·75	+0·12·60	+0·22·00
48·0	+1·06·30	+0·44·40	+0·13·30	–0·19·10	–0·03·15	–0·07·90	–0·28.40	–0·08·30	+0·20·40	+0·18·75	+0·12·60	+0·28·40
53.0	+1·12·10	+0·44·40	+0·13·80	–0·19·15	–0·05·40	–0·07·90	–0·21·90	–0·08·30	+0·20·40	+0·18·75	+0·12·60	+0·28·40
58·0	+1·09·60	+0·36·10	+0·06·40	–0·16·95	–0·05·40	–0·07·90	–0·21·90	–0·08.30	+0·20·40	+0·11·00	+0·12·60	+0·34·50
Therm.	81°·9	82°·5	82°·8	82°·7	81°·9	82°·3	82°·5	82°·5	82°·5	82°·4	82°·6	82°·6

TERM DAY OBSERVATIONS, 22nd AND 23d APRIL, 1846.

LARGE DECLINATION MAGNETOMETER.

Göttingen Mean Time. M. S.	10^{h}	11^{h}	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}
0·0	13′785	13′596	13′389	14′128	15′623	16′447	15′897	13′906	11′501	9′836	9′132	9′234
5·0	13·734	13·442	13·389	14·213	15·725	16·653	15·794	13·681	11·431	9·543	9·063	9·303
10·0	13·734	13·527	13·321	14·351	15·795	16·635	15·794	13·253	10·916	9·475	9·063	9·372
15·0	13·768	13·527	13·664	14·505	15·931	16·584	15·553	13·184	10·814	9·441	9·063	9·441
20·0	13·734	13·493	13·562	14·592	16·000	16·447	15·467	12·944	10·761	9·406	9·098	9·509
25·0	13·768	13·527	13·768	14·832	16·136	16·447	14·314	12·567	10·727	9·406	9·098	9·613
30·0	13·647	13·562	13·768	14·832	16·206	16·429	14·970	12·514	10·505	9·337	9·098	9·681
35·0	13·700	13·493	13.751	14·987	16·309	16·309	14·936	12·326	10·402	9·234	9·098	9·716
40·0	13·768	13·562	13·717	15·142	16·481	16·206	14·832	12·188	10·333	9·200	9·166	9·716
45·0	13·596	13·562	13·768	15·211	16·378	15·172	14·405	12·084	10·162	9·251	9·166	9·785
50·0	13·596	13·510	13·871	15·382	16·378	15·966	13·179	11·707	10·092	9·166	9·166	9·853
55·0	13·562	13·493	14·076	15·553	16·618	15·966	13·906	11·501	10·058	9·268	9·166	9·853

LARGE HORIZONTAL FORCE MAGNETOMETER.

Göttingen Mean Time. M. S.	10^{h}	11^{h}	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}
2·0	8·440	8·420	8·470	8·400	8·550	8·400	8·630	9 050	9·250	9·155	8·855	8·795
7·0	8·450	8·410	8·460	8·400	8·515	8·430	8·655	9·060	9·255	9·155	8·880	8·780
12·0	8·440	8·420	8·460	8·400	8·470	8·440	8·700	9·095	9·272	9·150	8·885	8·760
17·0	8·440	8·410	8·500	8·400	8·445	8·470	8·700	9·100	9·270	9·150	8·875	8·740
22·0	8·440	8·400	8·500	8·400	8·400	8·500	8·700	9·100	9·257	9·127	8·865	8·710
27·0	8·425	8·430	8·500	8·455	8·400	8·500	8·755	9·115	9·260	9·105	8·855	8·700
32·0	8·420	8·435	8·550	8·450	8·380	8·505	8·795	9·155	9·240	9·300	8·875	8·685
37·0	8·440	8·440	8·550	8·460	8·370	8·530	8·847	9·302	9 240	9·215	8·850	8·680
42·0	8·440	8·450	8·580	8·475	8·400	8·525	8·890	9·245	9·217	9·000	8·830	8·675
47·0	8·425	8·470	8·580	8·510	8·400	8·570	9·050	9·280	9·205	9·005	8·830	8·645
52·0	8·430	8·470	8·555	8·540	8·400	8·600	8·997	9·275	9·190	8·850	8·815	8·625
57·0	8·430	8·470	8·425	8·540	8·400	8·610	9·005	9·250	9·187	8·900	8·805	8·615
Therm.	84°·7	84°·0	83·9	83·9	83·6	84°·0	85·3	86·7	87·7	88·0	88°·0	88·5

VERTICAL FORCE MAGNETOMETER.

Göttingen Mean Time. M. S.	10^{h}	11^{h}	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}
3·0	+3·00·90	+2·38·60	+2·47 20	+3·48·70	+3·31·60	+2·31·20	+0·44·20	−0·26·30	−0·33·90	−0·23·60	+0·14·40	+0·42·30
8·0	+2·43·90	+2·38·60	+2·47·20	+3·49·50	+3·27·10	+2·31·55	+0 38·00	−0·29·50	−0·36·20	−0·20·10	+0·18·50	+0·44·70
13·0	+2·43 90	+2·38·60	+3·18·45	+4·03·95	+3·25·70	+2·21·15	+0·25·50	−0·31·00	−0·36·20	−0·20·10	+0·23·80	+0·47·50
18·0	+2·38·30	+2·43·80	+3·20·70	+4·03·90	+3·25·70	+2.17·25	+0·21·90	−0·31·00	−0·30·00	−0·20 10	+0 27·70	+1·01·80
23·0	+2·38·30	+2·43·80	+3 20·70	+4·07·90	+3·21·15	+2·13·85	+0·11·85	−0·35·45	−0·30·00	−0·14·90	+0·31·95	+1·08·10
28·0	+2·38·30	+2·43·80	+3·26·00	+4·17·60	+3·16·85	+2·02·60	+0·06·40	−0·35·45	−0·27·75	−0·09·00	+0·31·95	+1·12·90
33·0	+2·38·30	+2·43·80	+3·26·45	+4·19·00	+3·14·70	+1·42·50	−0·01·65	−0·39·40	−0·25·60	−0·04·60	+0·31·95	+1·17·20
38·0	+2 38·30	+2·43·80	+3·30·30	+4·19·00	+3·10·80	+1·33·60	−0·06·00	−0·39·40	−0·25·60	−0 01·80	+0·35·70	+1·20·10
43·0	+2·38·30	+2·43·80	+3·34·75	+4·11·25	+3·03·35	+1·22·75	−0·10·00	−0·39·40	−0·25·60	+0·00·65	+0·35 70	+1·22·60
48·0	+2·36·20	+2·43·80	+3·35·55	+4·11·10	+2·46·60	+1·17·55	−0·17·20	−0·37·85	−0·25·60	+0·03·90	+0·35·70	+1·28·40
53·0	+2·43·50	+2·43·80	+3·42·70	+4·04·30	+2·45·45	+1·09·10	−0·17·20	−0·37·85	−0·23·60	+0·07·90	+0·38·50	+1·32·70
58·0	+2·38·60	+2·47·20	+3·48·70	+3·43·45	+2·39·75	+1·02·00	−0·20·10	−0·33 90	−0·23·60	+0.12·25	+0·38·50	+1·36·80
Therm.	87·4	86·9	86·5	86·5	85·3	84·8	85·2	86·0	87·0	87·3	87·5	88·5

TERM DAY OBSERVATIONS, 22nd AND 23d APRIL, 1846

LARGE DECLINATION MAGNETOMETER.

Göttingen Mean Time. M. S.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
0·0	9′·921	10′·641	11′·707	12′·428	12′·567	12′·806	13′·013	13′·219	13′·527	13·321	13′·837	13·493
5·0	10·058	10·607	11·913	12·360	12·550	12·876	13·047	13·219	13·425	13·321	13·734	13·527
10·0	10·128	10·814	11·862	12·463	12·635	12·876	13·047	13·253	13·389	13·321	13·596	13·630
15·0	10·230	11·019	11·879	12·533	12·703	12·840	13·184	13·253	13·321	13·287	13·630	13·493
20·0	10·436	11·088	12·015	12·533	12·703	12·772	13·184	13·321	13·287	13·287	13·630	13·700
25·0	10·471	11·122	12·050	12·550	12·703	12·772	13·184	13·355	13·287	13·287	13·664	13·802
30·0	10·505	11·157	12·084	12·533	12·738	12·806	13·219	13·355	13·287	13·287	13·700	13·906
35·0	10·573	11·157	12·188	12·533	12·806	12·806	13·219	13·321	13·287	13·630	13·700	13·906
40·0	10·573	11·225	12·290	12·428	12·806	12·876	13·219	13·389	13·287	13·596	13·664	13·906
45·0	10·607	11·431	12·377	12·497	12·806	12·876	13·219	13·425	13·287	13 700	13·425	13·906
50·0	10·539	11·569	12·463	12·533	12·806	12·876	13·219	13·425	13·287	13·837	13·425	13·906
55·0	10·539	11·639	12·428	12·533	12·840	12·893	13·219	13·579	13·321	13·837	13·425	13·906

LARGE HORIZONTAL FORCE MAGNETOMETER.

Göttingen Mean Time. M. S.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
2·0	8·615	8·600	8·505	8·520	8·470	8·370	8·427	8·445	8·550	8·535	8·565	8·775
7·0	8·615	8·590	8·515	8·590	8·460	8·350	8·440	8·422	8·500	8·580	8·600	8·750
12·0	8·630	8·575	8·525	8·565	8·412	8·382	8·452	8·420	8·500	8·595	8·590	8·715
17·0	8·600	8·520	8·525	8·550	8·405	3·397	8·435	8·405	8·500	8·595	8·590	8·770
22·0	8·540	8·510	8·515	8·580	8·400	8·420	8·415	8·440	8·500	8·600	8·600	8·740
27·0	8·510	8·525	8·505	8·585	8·415	8·435	8·420	8·400	8·500	8·595	8·600	8.725
32·0	8·510	8·520	8·500	8·605	8·400	8·430	8·420	8·400	8·500	8·595	8·600	8·730
37·0	8·500	8·510	8·495	8·650	8·400	8·440	8·465	8·405	8·505	8·562	8·600	8·705
42·0	8·500	8·490	8·485	8·700	8·390	8·450	8·450	8·400	8·510	8·565	8·640	8·705
47·0	8·540	8·480	8·455	8·675	8·380	8·400	8·450	8·400	8·525	8·560	8·705	8·705
52·0	8·590	8·480	8·470	8·630	8·360	8 375	8·470	8·472	8·555	8·515	8·765	8·705
57·0	8·585	8·500	8·500	8·615	8·360	8·395	8·455	8·497	8·550	8·550	8·765	8·720
Therm.	89°·0	89°·3	89°·0	88·0	87°·2	86°·9	86·6	86°·6	86°·3	86°·2	86·0	85°·8

VERTICAL FORCE MAGNETOMETER.

Gottingen Mean Time. M. S.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
3.0	+1·36·80	+2·04·30	+2·23·70	+2·19·65	+2·22·00	+2·17·55	+2·05·40	+1·36·75	+2·25·65	+1·47·50	+2·00·25	+1·37·00
8·0	+1·39·60	+2·12·80	+2·23·70	+2·17·20	+2·26·75	+2·17·55	+1·49·50	+2·08·00	+2·19·30	+1·47·50	+2·00·25	+1·43·50
13·0	+1·41·80	+2·17·70	+2·23·70	+2·18·10	+2·26·75	+2·15·70	+1·49·50	+2·12·35	+2·19·30	+1·47·50	+1·43·80	+1·36·60
18·0	+1·49·30	+2·17·70	+2·23·70	+2·18·10	+2·26·75	+2·15·70	+1·48·25	+2·17·70	+2·15·25	+1·41·80	+1·43·80	+1·36·60
23·0	+2·03·50	+2·17·70	+2·24·90	+2·13·45	+2·24·60	+2·15·70	+1·48·25	+2·20 55	+2·15·25	+1·41·80	+1·40·30	+1·46·00
28·0	+2·03·50	+2·17·70	+2·24·25	+2·13·45	+2·24·60	+2·15·70	+1·36·60	+2·25·40	+2·10·50	+1·47·55	+1·37·80	+1·46·00
33·0	+2·03·50	+2·17·70	+2·29·15	+2·07·90	+2·24·60	+2·17·75	+1·36·60	+2·33·75	+2·10·50	+1·47·55	+1·37·80	+1·46·00
38·0	+2·08·80	+2·26·50	+2·30·60	+2·05·95	+2·24·60	+2·18·15	+1·36·60	+2·33·75	+2·10·50	+1·47·55	+1·34·00	+2·03·00
43·0	+2·08·80	+2·26·50	+2·28·30	+2·05·60	+2·22·45	+2·18·15	+1·33·85	+2·29·10	+2·02·90	+1·47·55	+1·30·40	+2·03·00
48·0	+2·00·90	+2·26·50	+2·28·30	+2·09·70	+2·22·45	+2·18·15	+1·29·40	+2·25·65	+1·48·75	+1·47·55	+1·30·40	+2·03·00
53·0	+2·00·90	+2·26·50	+2·25·00	+2·17·90	+2·22·45	+2·13·10	+1·29·40	+2·25·65	+1·48·75	+2·00·25	+1·30·40	+2·03·00
58·0	+2·07·10	+2·23·70	+2·21·40	+2·19·10	+2·22·45	+2·10·55	+1·36·75	+2·25·65	+1·47·50	+2·00·25	+1·30·40	+2·03·00
Therm.	89°·5	90°·3	90°·0	89°·2	88°·2	89°·4	89°·8	90°·0	89·5	89·5	89°·5	89°·5

TERM DAY OBSERVATIONS, 29th AND 30th MAY, 1846.

LARGE DECLINATION MAGNETOMETER.

Göttingen Mean Time. M. S.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
0·0	13′664	13′837	14′351	14′351	15′485	16′309	15′760	14′076	12′567	11′397	11′088	11′157
5·0	13 871	13·906	14·454	14·386	15·811	16·309	15·623	13·906	12·533	11·327	11·019	11·363
10·0	13·940	13·923	14·266	14·557	15·674	16·240	15·623	13·734	12·428	11·191	10·985	11·397
15·0	13·940	13·906	14·420	14·592	15·828	16·274	15·536	13·596	12·222	11·157	10 951	11·501
20·0	13·906	13·871	14·557	14·626	15·897	16·309	15·211	13·425	11·913	11·139	10·744	11·639
25·0	13·837	13·940	14·454	14·694	15·794	16·309	15·004	13·287	11·845	11·157	10·744	11·673
30·0	13·700	13·974	14·386	14·762	16·017	16·257	14·901	13·219	11·845	11·157	10·710	11·776
35·0	13·734	14·008	14·179	14·901	16·085	16·274	14·762	13·150	11·845	11·122	10·778	11·776
40·0	13·734	14·076	14·179	15·055	15·983	16·136	14·592	13·081	11·845	11·088	11·019	11·879
45·0	13·734	14·008	14·505	15·142	16·068	16·068	14·386	12·978	11·845	11·070	11·088	11·879
50·0	13·785	14·145	14·403	15·262	16·172	16·068	14·283	12·720	11·724	11·088	11·088	11·947
55·0	13·664	14·420	14·420	15·315	16·206	15·931	14·093	12·601	11·603	11·088	11·157	11·913

LARGE HORIZONTAL FORCE MAGNETOMETER.

Göttingen Mean Time. M. S.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
2·0	12·235	12·175	12·125	12 175	12·225	12·282	12·485	12·550	12·645	12·450	12·405	12·285
7·0	12·210	12·147	12·150	12·230	12·250	12·302	12·502	12·580	12·650	12·462	12·407	12·270
12·0	12·200	12·170	12·162	12·170	12·235	12·300	12·500	12·600	12.700	12·465	12·410	12·250
17·0	12·205	12·140	12·130	12·220	12·267	12·340	12 540	12·600	12·705	12·455	12·420	12·240
22·0	12·205	12·165	12·167	12·240	12·272	12 310	12·550	12·605	12·700	12·440	12·450	12·230
27·0	12·237	12·180	12·102	12·250	12·257	12·305	12·572	12·635	12·700	12·430	12·440	12·220
32·0	12·200	12·150	12·080	12·2[illegible]2	12·270	12·300	12·525	12·672	12·690	12·427	12·450	12·215
37·0	12·210	12·100	12·160	12·240	12·242	12·305	12·575	12·675	12·610	12·445	12·400	12·210
42·0	12·165	12·135	12·147	12·290	12·267	12·345	12·585	12·625	12·517	12·415	12·360	12·195
47·0	12·195	12·090	12·150	12·260	12·260	12·380	12·575	12·620	12·490	12·420	12·310	12·190
52·0	12 190	12·090	12·147	12·235	12·265	12·390	12·525	12·660	12·472	12·410	12·290	12·180
57·0	12·130	12·085	12·155	12·250	12·280	12·455	12·530	12·675	12·450	12·400	12·290	12·190
Therm.	87°·3	87°·0	86°·9	86°·8	86°·7	87°·1	87°·8	88°·7	89°·0	90°·0	90°·7	90°·4

VERTICAL FORCE MAGNETOMETER.

Gottingen Mean Time. M. S.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
3·0	-1·20·50	-1·38·80	-0·39·80	-0·49·95	-1·21·45	-2·13·10	-3·26·60	-3·35·00	-3·43·80	-3 36·75	-3·47·40	-3·20·20
8·0	-1·29·50	-1·38·80	-0·36·00	-1·04·30	-1·24·45	-2·15·20	-3·35·60	-3·48·60	-3·43·80	-4·02·90	-3·47·40	-3·14·20
13·0	-1·29·50	-2·00·20	-0·36·00	-0·45·65	-1·31·10	-2·18·50	-3·35·60	-4·06·65	-4·02·00	-4·02·90	-3·47·40	-3·03·60
18·0	-1·39·90	-1·41·60	-0·36·00	-0·45·65	-1·24·80	-2·26·55	-3·35·60	-4·06·65	-4·13·50	-4·12·00	-4·00·90	-3·12·30
23·0	-1·39·90	-1·41·60	-0·36·00	-0·33·30	-1·36·20	-2·32·50	-3·46·50	-1·14·50	-4·13·50	-4·12·00	-4·08·00	-3·18·70
28·0	-1·43·30	-1·37·20	-0·36·00	-0·29·65	-1·41·45	-2·40·50	-3·46·50	-4·14·50	-4·13·50	-4·12·00	-4·05·20	-3·13·50
33·0	-1·43·30	-1·37·20	-0·41·05	-0·25·50	-1·46·35	-2·45·50	-3·46·50	-4·00·50	-4 13·50	-4·12·00	-4·11·10	-3·11·00
38·0	-1·43·30	-1·30·10	-0·41·55	-0·26·90	-2·00·80	-3·05·45	-3·46·50	-4·00·50	-3·44·95	-4·12·00	-3·43·95	-3·08·40
43·0	-1·43·30	-1·22·70	-0·43·60	-0·30 00	-2·02·40	-3·14·20	-3·46·50	-4·00·50	-3·24·50	-4·05·40	-3·31·50	-3·04·40
48·0	-1·48·90	-1·17·20	-0·38·60	-0·44·90	-2·05·30	-3·11·15	-3·46·50	-4·00·50	-3·24·50	-4·05·40	-3·27·50	-3·04·40
53·0	-1·43·00	-1·05·60	-0·40·45	-1 07·95	-2·05·50	-3·13·85	-3·35·00	-4 00·50	-3·24·50	-4·05·40	-3·20·20	-3·04·40
58·0	-1·38·80	-0·45·20	-0·47·15	-1·16·20	-2·05·50	-3·23·05	-3·35·00	-4·43·80	-3·36·75	-3·47·40	-3·20·20	-3·15·80
Therm.	89°·5	89·5	89°·5	89·5	88·0	87·8	88 0	88·6	89°·1	89·9	90°·5	91°·0

TERM DAY OBSERVATIONS, 29th AND 30th MAY, 1846.

LARGE DECLINATION MAGNETOMETER.

Göttingen Mean Time.	22^h	23^h	Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h
M. S.												
0·0	11′810	11′981	12′394	12′533	12′326	12′876	12′533	13′201	13′562	13′906	14′249	14′249
5·0	11·776	12·188	12·326	12·497	12·307	12·876	12·533	13·219	13·562	13·957	14·042	14·249
10·0	11·845	12·188	12·326	12·463	12·326	12·876	12·533	13·185	13·734	14·196	14·145	14·230
15·0	11·845	12·256	12 360	12·497	12·290	12·876	12·533	13·098	13·734	14·213	14·008	14·179
20·0	11·981	12·256	12·428	12·463	12·533	12·876	12·463	13·081	13·785	14·179	13·940	14·145
25·0	12·050	12·256	12·360	12·256	12·703	12·910	12·428	13.125	13·888	14·179	13·974	14·179
30·0	12·050	12·256	12·188	12·239	12·789	13·013	12·533	13·253	13·734	14·266	14·145	14·249
35·0	12·050	12·394	12·188	12·256	12·876	12·876	12·635	13·510	13·888	14·266	14·179	14·179
40·0	11·913	12·394	12·256	12·428	12·944	12·876	12·876	13·562	13·785	14·334	14·213	14·249
45·0	11·913	12·394	12·256	12·463	12·910	12·772	13·081	13·768	13·906	14·317	14·317	14·179
50·0	11·845	12·256	12·188	12·360	12·876	12·635	12·876	13·562	14·008	14·283	14·317	14·179
55·0	11·845	12·256	12·463	12·326	12·876	12·533	12·910	13·442	13·940	14·266	14·283	14·179

LARGE HORIZONTAL FORCE MAGNETOMETER.

Göttingen Mean Time.	22^h	23^h	Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h
M. S.												
2·0	12·185	11·980	11·985	11·950	12·000	11·875	12·112	12·090	11·955	12·000	11·977	12·010
7·0	12·185	11·960	11·980	11·925	11·995	11·850	12·055	12·100	11·900	12·007	12·025	12·020
12·0	12·175	11·940	11·980	11·915	12·000	11·892	12·050	12·090	11·900	12·010	12 025	12·035
17·0	12·160	11·900	11·980	11·915	12·015	11·897	12·057	12·102	11·925	12·000	12·015	12·020
22·0	12·140	11·870	11·980	11·905	12·000	11·932	12·152	12·107	11·942	12·000	12·025	12·025
27·0	12·125	11·870	11·980	11·910	11·960	11·982	12·152	12·100	11·955	12·022	12·000	12·025
32·0	12·115	11·870	11·990	11·630	11·965	11·972	12·147	12·095	11·995	12·000	11·990	12·010
37·0	12·110	11·900	11·960	11·965	11·950	11·980	12·150	12·030	12·005	12·005	11·975	12·010
42·0	12·080	11·920	11·965	11·965	11·975	11·967	12·147	12·010	12·055	12·035	11·955	12·010
47·0	12·025	11·940	11·985	11·980	11·922	12·025	12·105	11·980	12·042	12·005	11·970	12·005
52·0	12·045	11·970	11·985	11·990	11·910	12·052	12·105	11·955	12·022	11·975	11·972	12·010
57·0	12·000	11·975	11·960	12·000	11·872	12·055	12·115	11·955	12·000	12·000	11·990	12·030
Therm.	91°·0	91°·3	91°·1	90°·6	90°·0	89°·1	88°·9	88°·6	88°·5	88°·2	88°·1	87°·9

VERTICAL FORCE MAGNETOMETER.

Göttingen Mean Time.	22^h	23^h	Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h
M. S.												
3·0	–3·18·70	–2·36·40	–3·27·70	–3·35·25	–3·15·00	–3·05·40	–3·35·05	–3·37·45	–3·31·70	–3·19·90	–3·19·90	–3·06·50
8·0	–3·15·50	–2·45·20	–3·27.70	–3·35·25	–3·10·35	–3·11·35	–3·35·05	–3·37·45	–3·31·70	–3·19·90	–3·19·90	–3·06·50
13·0	–3·04·80	–2·45·20	–3·27·70	–3·30·80	–3·08·85	–3·11·35	–3·35·05	–4·06·60	–3·31·70	–3·19·90	–3.19.90	–2·46·60
18·0	–2·49·20	–3·02·90	–3·34·55	–3·30·80	–2·47·70	–3·14·60	–3·39·65	–4·06·60	–3·31·70	–3·19·90	–3·19·90	–2·42·20
23·0	–2·41·90	–3·09·90	–3·38·20	–3·37·40	–2·39·95	–3·19·50	–3·39·65	–4·06·60	–3·49 85	–3·19·90	–3·19·90	–2·42·20
28·0	–2·41·90	–3·16·80	–3·47·70	–3·37·40	–2·35·90	–3·19·50	–4·00·65	–3·40·35	–3·49·85	–3·19·90	–3·19·90	–2·42·20
33·0	–2·41·90	–3·20·10	–4·01·50	–3·37·70	–2·33·00	–3·26·05	–4·00·65	–3·40·35	–3·30·10	–3·19·90	–3·10·40	–2·38·80
38·0	–2·41·90	–3·26·70	–3·45·05	–3·33·30	–2·36·25	–3·25·60	–3·37·45	–3·40·35	–3·30·10	–3·19·90	–3·10·40	–2·22·70
43·0	–2·41·90	–3·26·70	–3·49·50	–3·30·75	–2·37·20	–3·29·85	–3·37·45	–3·31·70	–3·30·10	–3·19·90	–3·05·50	–2·36·00
48·0	–3·06·90	–3·36·20	–3·49·50	–3·25·75	–2·37·35	–3·29·85	–3·37·45	–3·31·70	–3·30·10	–3·19 90	–3·00·20	–2·29·40
53·0	–3·06·90	–3 36·20	–3·47·50	–3·23·95	–2·47·30	–3·32·10	–3·37·45	–3·31·70	–3·30·10	–3·19·90	–3·00·20	–2·26·40
58·0	–2·43·10	–3·36·20	–3·38·65	–3·20·35	–2·48·70	–3·35·05	–3·37·45	–3·31·70	–3·19·90	–3 19·90	–3·06·50	–2·30·00
Therm.	91°·9	92°·5	92°·6	92°·2	91°·2	91°·6	91°·9	91°·5	91°·5	91°·0	90°·5	90°·4

TERM DAY OBSERVATIONS, 24th AND 25th JUNE, 1846.

LARGE DECLINATION MAGNETOMETER.

Göttingen Mean Time.	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h
M. S.												
0·0	13′389	13′287	13′906	14′592	15′828	15′450	14′592	13′700	12′360	12′119	11′501	11′088
5·0	13·389	13·321	13·906	14·660	15·862	15·416	14·592	13·355	12·326	11·947	11·501	11·088
10·0	13·459	13·459	13·906	14·694	15·862	15·416	14·557	13·236	12·256	11·947	11·259	11·088
15·0	13·527	13·459	13·906	15·004	15·931	15·280	14·557	13·219	12·188	11·015	11·259	11·157
20·0	13·596	13·596	13·974	14·936	15·897	15·280	14·488	13·219	12·188	11·845	11·225	11·225
25·0	13·596	13·596	13·974	15·004	15·897	15·176	14·179	13·047	12·188	11·673	11·225	11·293
30·0	13·596	13·596	14·111	15·176	15·852	15·176	14·076	12·738	12·188	11·673	11·225	11·327
35·0	13·527	13·630	14·249	15·211	15·828	15·038	14·402	12·652	12·188	11·673	11·157	11·465
40·0	13·425	13·664	14·249	15·280	15·794	14·936	13·906	12·601	12·188	11·569	11·122	11·465
45·0	13·389	13·871	14·351	15·382	15·623	14·936	13·906	12·533	12·188	11·569	11·070	11·569
50·0	13·389	13·906	14·386	15·587	15·623	14·832	13·906	12·533	12·188	11·569	11·088	11·707
55·0	13·389	13·906	14·523	15·691	15·519	14·694	13·700	12·497	12·153	11·501	11·088	11·569

LARGE HORIZONTAL FORCE MAGNETOMETER.

Göttingen Maen Time.	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h
M. S.												
2·0	14·510	14·715	14·780	14·795	14·900	15·005	15·405	15 610	15·640	15·695	15·600	15·180
7·0	14·510	14·697	14·785	14·800	14·910	15·060	15·420	15·600	15·645	15·710	15·550	15·140
12·0	14·495	14·735	14·760	14·830	14·910	15·065	15·465	15·600	15·650	15·700	15.527	15·105
17·0	14·490	14·717	14·755	14·850	14·937	15·110	15·545	15·600	15·650	15·690	15·520	15·090
22·0	14·445	14·750	14·760	14·855	14·950	15·150	15·547	15·600	15·660	15·675	15·495	15·050
27·0	14·420	14·730	14·770	14·860	14·950	15·195	15·572	15·600	15·660	15·715	15·470	15·015
32·0	14·510	14·750	14·760	14·850	14·937	15·235	15·572	15·600	15·690	15·690	15·430	14·990
37·0	14·520	14·760	14·760	14·850	14·930	15·270	15·630	15·655	15·730	15 685	15·400	14·950
42·0	14·545	14·760	14·755	14·845	14·935	15·300	15·610	15·660	15 720	15·690	15·390	14·910
47·0	14·675	14·760	14·752	14·870	14·940	15·325	15·660	15·690	15·707	15·670	15·355	14·870
52·0	14·775	14·795	14·770	14·890	14·950	15·360	15·645	15·660	15·690	15·615	15·290	14·885
57·0	14·782	14·790	14·785	14·900	14·990	15·400	15·695	15·647	15·695	15·607	15·220	14·920
Therm.	84°0	83°6	83°9	84°0	94°0	83°9	85°0	86°0	85°0	85°0	85°6	86°0

VERTICAL FORCE MAGNETOMETER

Göttingen Mean Time.	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h
M. S.												
3·0	–0·24·40	+0·10·10	–0·04·00	–0·08·15	+0·31·70	–0·20·10	–0·48 60	–2·04·00	–1·39·90	–1·42·40	–0·29·25	–0·20·30
8·0	–0·18·00	+0·10·10	+0·12·40	–0·03·90	+0·23·35	–0·20·10	–1·02·65	–2·04·00	–1·40·90	–1·42·40	–0·22·75	–0·10·40
13·0	–0·18·00	+0·10·10	+0·12·15	+0·39·40	+0·23·35	–0·21·95	–1·02·65	–2·04·00	–1·40·90	–0·34·85	–0·23·40	–0·05·90
18·0	–0·11·60	+0·10·10	+0·06·55	+0·33·60	+0·23·35	–0·25·60	–1·18·10	–2 04·00	–1·40·25	–0·34·85	–0·23·40	–0·05·90
23·0	–0·11·60	+0·10·10	–0·03·50	+0·32·20	+0·17·45	–0·28·50	–1·26·70	–2·04·00	–1·40·25	–0·34·85	–0·11·40	+0·00·40
28·0	–0·01·30	+0·10·10	–0·09·00	+0·38·60	+0·13·25	–0·33·05	–1·26·70	–2·04·00	–1·40·80	–0·34·85	–0·11·40	+0·00·40
33·0	–0·04·10	–0·00·90	–0·03·40	+0·38·60	+0·13·25	–0·37·00	–1·26·70	–1·44·95	–1·40·80	–0·29·25	–0·19·20	+0·09·60
38·0	+0·10·40	–0·00·90	–0·03·40	+0·38·60	+0·04·90	–0·33·40	–1·34·55	–1·44·95	–1·40·80	–0·29·25	–0·19·20	+0·14·80
43·0	+0·08·50	–0·00·90	–0·06·45	+0·38·60	–0·00·45	–0·33·40	–1·34·55	–1·42·25	–1·42·40	–0·29·25	–0·27·70	+0·16·10
48·0	+0·08·50	+0·13·30	–0·10·90	+0·42·55	–0·05·50	–0·38·35	–1·47·00	–1·42·25	–1·42·40	–0·29·25	–0·27·70	+0·24·90
53·0	+0·01·90	+0·12·90	–0·13·55	+0 42·55	–0·09·60	–0·42·15	–1·47·00	–1·40·70	–1·42·40	–0·29·25	–0·20·30	+0·19·80
58·0	+0·01·90	+0·09·90	–0·13·55	+0·36·85	–0·13·30	–0·45·70	–2·04·00	–1·39·40	–1·42·40	–0·29 25	–0·20·30	+0·19·80
Therm.	86°0	85°5	85°8	85·9	84°7	84·1	84·5	85°2	85°0	84·6	85°0	86°0

TERM DAY OBSERVATIONS, 24th AND 25th JUNE, 1846.

LARGE DECLINATION MAGNETOMETER.

Göttingen Mean Time.	22^{h}	23^{h}	Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}
M. S.												
0·0	11′603	11′845	12′669	13′700	13′630	12′601	12′050	12′222	12′584	12′533	13′047	13′562
5·0	11·707	12·222	13·013	13·700	13·630	12·533	12·188	12·222	12·686	12·738	13·047	13·596
10·0	11·776	12·360	13·013	13·768	13·664	12·533	12·188	12·222	12·635	12·876	13·355	13·596
15·0	11·776	12·497	13·219	13·734	13·493	12·601	12·153	12·222	12·618	12·876	13·184	13·562
20·0	11·845	12·533	13·287	13·940	13·493	12·533	12·119	12·188	12·497	12·944	13·115	13·630
25·0	11·913	12·567	13·355	13·888	13·425	12·428	12·119	12·188	12·533	12·876	13·184	13·700
30·0	11·913	12·567	13·355	13·700	13·081	12·326	12·119	12·188	12·533	12·876	13·150	13·837
35·0	11·913	12·601	13·527	13·837	12·978	12·222	12·256	12·290	12·567	12·876	13·184	13·906
40·0	11·879	12·635	13·493	13·906	13·738	12·188	11·998	12·326	12·806	12·978	13·150	13·837
45·0	11·810	12·772	13·562	13·906	12·601	12·119	11·981	12·480	12·533	13·013	13·219	13·802
50·0	11·776	12·635	13·562	13·837	12·635	12·140	12·050	12·533	12·568	12·961	13·219	13·700
55·0	11·810	12·567	13·664	13·734	12·601	12·050	12·222	12·669	12·738	12·944	13·389	13·596

LARGE HORIZONTAL FORCE MAGNETOMETER.

Göttingen Mean Time.	22^{h}	23^{h}	Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}
M. S.												
2·0	14·915	14·817	14·485	14·450	14·475	14·312	14·500	14·770	14·872	15·075	14·910	15·000
7·0	14·890	14·670	14·440	14·400	14·537	14·355	14·647	14·635	14·950	14·995	14·992	14·885
12·0	14·890	14·650	14·490	14·425	14·465	14·497	14·670	14·650	14·990	14·995	14·895	14·880
17·0	11·900	14·605	14·490	14·415	14·417	14·437	14·565	14·655	14·880	15·025	14·930	14·765
22·0	14·730	14·565	14·490	14·435	14·437	14·550	14·625	14·715	14·900	15·100	14·885	14·760
27·0	14·725	14·560	14·495	14·407	14·450	14·420	14·672	14·725	15·075	15·082	14·950	14·782
32·0	14·755	14·560	14·522	14·389	14·437	14·490	14·652	14·777	15·055	15·010	14·902	14·840
37·0	14·810	14·550	14·532	14·440	14·480	14·450	14·625	14 775	15·075	14·995	14·855	14·825
42·0	14·830	14·640	14·540	14·370	14·475	14·450	14·627	14·800	15·100	14·875	14·855	14·875
47·0	14·880	14·640	14·510	14·445	14·480	14·465	14·745	14·875	15·220	14·952	14·855	14·965
52·0	14·910	14·580	14·500	14·537	14·475	14·555	14·730	14·810	15·125	14·990	14·850	14·790
57·0	14·945	14·530	14·500	14·515	14·447	14·545	14·800	14·800	15·325	15·025	14·935	14·900
Therm.	86°·8	87°·0	86°·0	85°·1	84°·3	83°·9	83°·7	83°·7	83°·0	83°·0	83°·0	83°·0

VERTICAL FORCE MAGNETOMETER.

Göttingen Mean Time.	22^{h}	23^{h}	Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}
M. S.												
3·0	+0·25·70	+0·43·70	+0·41·05	+0·12·50	–0·25·45	–1·13·40	–0·09·90	+0·05·50	–0·06·50	–0·02·00	–0 16·55	–0·07·70
8·0	+0·32·50	+1·07·40	+0·38·99	+0·06·20	–0·21·95	–1·04·85	–0·09·90	+0·05·50	–0·28·60	–0·02·00	–0·19·55	–0·07·70
13·0	+0·32·50	+1·00·80	+0·35·00	–0·01·75	–0·35·42	–1·04·85	–0·09·90	+0·22·50	–0·28·60	–0·02·00	–0·20·80	–0·07·70
18·0	+0·35·60	+1·00·80	+0·36·90	–0·07·60	–1·02·20	–1·04·85	–0·09·90	+0·22·50	–0·28·60	–0·13·80	–0·20·80	+0·02·00
23·0	+0·48·30	+0·43·70	+0·37·50	–0·13·20	–0·44·35	–1·09·25	–0·09·90	+0·22·50	–0·09·75	–0·13·80	–0·25·70	+0·02·00
28·0	+0·41·90	+0·33·50	+0·36·60	–0·11·50	–1·02·00	–1·11·40	–0·09·90	+0·23·75	–0·09·75	–0·13·80	–0·25·30	+0·12·40
33·0	+0·38·30	+0·29·40	+0·36·40	–0·11·50	–1·08·55	–1·10·00	–0·15·30	+0·23·75	–0·09·75	–0·13·80	–0·25·30	+0·20·80
38·0	+0·29·80	+0·37·40	+0·26·00	–0·09·65	–1·11·90	–1·10·00	–0·15·30	+0·23·75	–0·09·75	–0·16·55	–0·25·30	+0·20·80
43·0	+0·24·60	+0·37·40	+0·20·45	–0·12·50	–1.19·10	–1·10·00	–0·07·80	+0·07·95	–0·02·00	–0·16·55	–0·25·30	+0·14·10
48·0	+0·24·60	+0·21·50	+0·22·10	–0·17·50	–1·18·05	–0·30·60	–0·07·80	+0·07·95	–0·02·00	–0·16·55	–0·00·30	+0·14·10
53·0	+0·21·00	+0·21·50	+0·17·45	–0·20·25	–1·13·40	–0·31·00	+0·05·50	–0·06·50	–0·02·00	–0·16·55	–0·07·70	+0·14·10
58·0	+0·21·00	+0·27·50	+0·12·50	–0·23·60	–1·13·40	–0·15·50	+0·05·50	–0·06·50	–0·02·00	–0·16·55	–0·07·70	+0·05·70
Therm.	86°·9	87°·4	86°·4	85°·3	84°·7	85°·3	85°·8	86°·0	86°·0	85°·5	85°·6	85°·5

TERM DAY OBSERVATIONS, 22nd AND 23rd JULY, 1846.

LARGE DECLINATION MAGNETOMETER.

Göttingen Mean Time	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0·0	12'·567	12'·893	12'·944	13'·734	14'·592	14'·076	13'·906	12'·944	11'·845	11'·157	10'·539	10'·333
5·0	12·738	12·927	13·115	13·768	14·592	14·076	13·871	12·840	11·845	11·157	10·573	10·333
10·0	12·806	12·978	13·184	13·837	14·592	14·128	13·906	12·738	11·845	11·122	10·539	10·333
15·0	12·910	13·013	13·150	13·906	14·557	14·076	13·906	12·703	11·810	11·122	10·471	10·230
20·0	13·013	13·013	13·115	13·906	14·557	14·076	13·871	12·533	11·776	11·122	10·471	10·367
25·0	13·081	13·047	13·219	13·974	14·488	14·076	13·819	12·463	11·758	11·088	10·471	10·367
30·0	13·013	12·944	13·253	14·111	14·557	14·008	13·544	12·394	11·707	11·088	10·436	10·402
35·0	12·910	12·806	13·321	14·179	14·454	13·974	13·647	12·273	11·431	11·088	10·471	10·402
40·0	12·944	12·978	13·389	14·249	14·488	13·940	13·459	12·084	11·327	11·070	10·436	10·471
45·0	12·876	12·944	13·459	14·454	14·420	13·906	13·321	12·015	11·276	11·002	10·436	10·471
50·0	12·910	12·876	13·527	14·454	14·076	13·960	13·253	12·015	11·191	10·882	10·402	10·539
55·0	12·876	12·944	13·596	14·557	14·179	13·906	13·081	11·896	11·157	10·607	10·367	10·744

LARGE HORIZONTAL FORCE MAGNETOMETER.

Göttingen Mean Time	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2·0	16·000	15·990	16·040	16·120	16·250	16·320	16·600	16·700	16·675	16·497	16·145	16·080
7·0	16·000	15·995	16·062	16·125	16·265	16·360	16·600	16·700	16·700	16·400	16·140	16·000
12·0	16·000	15·995	16·110	16·145	16·300	16·400	16·600	16·665	16·700	16·350	16·140	15·980
17·0	16·000	16·000	16·130	16·140	16·295	16·430	16·590	16·650	16·717	16·350	16·140	15·945
22·0	16·010	16·005	16·150	16·135	16·290	16·450	16·640	16·655	16·690	16·250	16·145	15·910
27·0	16·015	16·050	16·130	16·130	16·290	16·475	16·650	16·670	16·650	16·250	16·150	15·880
32·0	16·010	16·037	16·140	16·140	16·295	16·475	16·747	16·670	16·647	16·247	16·155	15·797
37·0	15·990	16·010	16·150	16·175	16·310	16·500	16·675	16·670	16·595	16·240	16·150	15·705
42·0	15·940	15·990	16·140	16·190	16·300	16·500	16·650	16·690	16·565	16·155	16·140	15·680
47·0	15·940	16·000	16·140	16·200	16·310	16·525	16·647	16·700	16·540	16·152	16·140	15·590
52·0	15·940	16·030	16·150	16·220	16·300	16·535	16·645	16·700	16·555	16·147	16·140	15·462
57·0	15·980	16·040	16·120	16·250	16·300	16·555	16·650	16·675	16·550	16·145	16·125	15·370
	80°·4	80·0	77·9	80°·2	80°·2	80°·4	81°·2	82·0	81·9	83·3	83°·5	83·8

VERTICAL FORCE MAGNETOMETER.

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3·0	-1·33·20	-1·34·00	-1·25·30	-0·41·55	-0·43·20	-0·47·25	-1·03·30	-1·06·55	-1·23·40	-1·20·70	-1·23·70	-1·29·90
8·0	-1·40·00	-1·20·20	-1·25·30	-0·41·55	-0·47·25	-0·47·25	-1·03·30	-1·06·55	-1·23·40	-1·20·70	-1·23·70	-1·29·90
13·0	-1·40·00	-1·20·20	-1·25·10	-0·38·00	-0·47·25	-0·47·25	-1·03·30	-1·23·40	-1·23·40	-1·20·70	-1·23·70	-1·29·90
18·0	-1·40·00	-1·12·20	-1·25·10	-0·38·00	-0·47·25	-0·49·65	-1·03·30	-1·23·40	-1·23·40	-1·23·70	-1·23·70	-1·29·90
23·0	-2·03·20	-1·18·20	-1·27·35	-0·38·00	-0·47·25	-0·49·65	-1·03·30	-1·23·40	-1·23·40	-1·23·70	-1·23·70	-1·29·90
28·0	-2·03·20	-1·18·20	-1·02·50	-0·38·00	-0·47·25	-0·49·65	-1·03·30	-1·23·40	-1·23·40	-1·23·70	-1·23·70	-1·29·90
33·0	-1·28·40	-1·18·20	-1·02·50	-0·38·00	-0·47·25	-0·49·65	-1·03·30	-1·23·40	-1·20·70	-1·23·70	-1·23·70	-1·29·90
38·0	-1·31·00	-1·25·30	1·04·60	-0·40·80	-0·47·25	-0·49·65	-1·03·30	-1·23·40	-1·20·70	-1·23·70	-1·23·70	-1·29·90
43·0	-1·34·00	-1·25·30	-1·04·60	-0·40·80	-0·47·25	-0·49·65	-1·06·55	-1·23·40	-1·20·70	-1·23·70	-1·29·90	-1·23·90
48·0	-1·34·00	-1·25·30	-1·03·05	-0·40·80	-0·47·25	-0·49·65	-1·06·55	-1·23·40	-1·20·70	-1·23·70	-1·29·90	-1·23·90
53·0	-1·34·00	-1·25·30	-1·05·10	-0·43·20	-0·47·25	-1·03·30	-1·06·55	-1·23·40	-1·20·70	-1·23·70	-1·29·90	-1·23·90
58·0	-1·34·00	-1·25·30	-0·41·55	-0·43·20	-0·47·25	-1·03·30	-1·06·55	-1·23·40	-1·20·70	-1·23·70	-1·29·90	-1·23·90
Therm.	83·3	82°·4	82·1	82·3	81·5	80·8	81·3	81·8	81°·5	82·6	83·2	83·4

TERM DAY OBSERVATIONS, 22nd AND 23rd JULY, 1846.

LARGE DECLINATION MAGNETOMETER.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0·0	10′·814	12′·222	12′·806	13′·013	13′·013	13′·115	12′·635	12′·360	12′·533	12·567	12′·567	12′·567
5·0	11·019	12·394	12·910	12·944	13·081	13·150	12·789	12·394	12·601	12·567	12·533	12·567
10·0	11·088	12·463	12·806	12·876	13·047	13·150	12·789	12·463	12·480	12·601	12·533	12·567
15·0	11·157	12·635	12·806	12·876	13·081	13·150	12.772	12·635	12·497	12·601	12·533	12·497
20·0	11·225	12·806	13·150	12·823	13·013	13·150	12·772	12·463	12·497	12·601	12·533	12·497
25·0	11·293	12·840	12·876	12·876	13·013	12·978	12·772	12·554	12·480	12·601	12·463	12·394
30·0	11·535	12·806	12·876	12·876	13·013	12·876	12·772	12·703	12·447	12·601	12·497	12·394
35·0	11·776	12·806	12·876	12·823	12·876	12·772	12·840	12·772	12·428	12·601	12·533	12·497
40·0	11·879	12·806	13·064	12·806	13·047	12·601	12·840	12·806	12·463	12·618	12·533	12·601
45·0	11·981	12·806	13·064	12·738	12·910	12·601	12·703	12·806	12·428	12·567	12·533	12·635
50·0	12·188	12·738	13·150	12·772	12·944	12·533	12·497	12·738	12·428	12·567	12·533	12·738
55·0	12·188	12·669	13·047	12·876	13·013	12·533	12·601	12·703	12·428	12·567	12·533	12·738

LARGE HORIZONTAL FORCE MAGNETOMETER.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2·0	15·300	15·045	14·890	15·055	15·077	14·700	14·895	14·885	14·985	15·220	15·245	15·295
7.0	15·290	15·985	14·875	15·050	15·100	14·670	14·850	14·900	15·030	15·275	15·260	15·295
12·0	15·207	14·945	14·870	15·050	15·090	14·670	14·850	14·905	15·047	15·300	15·290	15·300
17·0	15·122	14·895	14·910	15·060	15·065	14·700	14·850	14·945	15·055	15·305	15·350	15·410
22·0	15·100	14·895	14·905	15·065	15·060	14·745	14·867	14·975	15·095	15·300	15·395	15·450
27·0	15·100	14·850	14·900	15·065	14·970	14·805	14·865	14·975	15·100	15·255	15·280	15·450
32·0	15·057	14·845	14·935	15·065	14·932	14·815	14·865	14·985	15·150	15·205	15·210	15·550
37·0	15·055	14·800	14·985	15·062	14·855	14·865	14·855	14·985	15·197	15·205	15·210	15·430
42·0	15·070	14·787	14·980	15·062	14·827	14·865	14·850	14·985	15·205	15·200	15·265	15·295
47·0	15·060	14·770	15·020	15·070	14·797	14·920	14·850	14·965	15·215	15·200	15·250	15·240
52·0	15·110	14·795	15·040	15·100	14·792	14·940	14·875	14·970	15·212	15·200	15·245	15·195
57·0	15·060	14·820	15·065	15·115	14·755	14·927	14·895	14·975	15·205	15·215	15·255	15·240
Therm.	84°·0	84°·0	83°·0	82°·6	81°·9	81°·5	81°·4	81°·5	81°·9	81°·8	81°·5	81°·4

VERTICAL FORCE MAGNETOMETER.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3·0	-1·23·90	-1·23·90	-1·23·90	-1·23·90	-1·18·95	-0·45·00	-0·19·35	-0·18·05	-0·07·25	-0·07·25	-0·00·40	-0·00·40
8·0	-1·23·90	-1·23·90	-1·23·90	-1·23·90	-1·18·95	-0·41·00	-0·19·35	-0·18·05	-0·07·25	-0·07·25	-0·00·40	-0·00·40
13·0	-1·23·90	-1·23·90	-1·23·90	-1·20·40	-1·18·95	-0·41·00	-0·19·35	-0·26·40	-0·07·25	-0·07·25	-0·00·40	-0·00·40
18·0	-1·23·90	-1·23·90	-1·23·90	-1·20·40	-1·18·95	-0·41·00	-0·19·35	-0·26·40	-0·07·25	-0·07·25	-0·00·40	+0·07·50
23·0	-1·23·90	-1·23·90	-1·23·90	-1·20·40	-1·12·75	-0·41·00	-0·19·35	-0·26·40	-0·07·25	-0·03·00	-0·00·40	+0·07·50
28·0	-1·23·90	-1·23·90	-1·23·90	-1·20·40	-1·11·00	-0·41·00	-0·18·05	-0·26·40	-0·07·25	-0·03·00	-0·00·40	+0·07·50
33·0	-1·23·90	-1·23·90	-1·23·90	-1·20·40	-1·02·20	-0·41·00	-0·18·05	-0·26·40	-0·07·25	-0·03·00	-0·00·40	+0·07·50
38·0	-1·23·90	-1·23·90	-1·23·90	-1·18·95	-0·49·65	-0·33·25	-0·18·05	-0·26·40	-0·07·25	-0·03·00	-0·00·40	+0·07·50
43·0	-1·23·90	-1·23·90	-1·23·90	-1·18·95	-0·48·30	-0·27·70	-0·18·05	-0·26·40	-0·07·25	-0·03·00	-0·00·40	+0·07·50
48·0	-1·23·90	-1·23·90	-1·23·60	-1·18·95	-0·48·30	-0·27·70	-0·18·05	-0·26·40	-0·07·25	-0·03·00	-0·00·40	+0·07·50
53·0	-1·23·90	-1·23·90	-1·23·90	-1·18·95	-0·48·30	-0·27·70	-0·18·05	-0·26·40	-0·07·25	-0·03·00	-0·00·40	+0·07·50
58·0	-1·23·90	-1·23·90	-1·23·90	-1·18·95	-0·45·00	-0·19·35	-0·18·05	-0·26·40	-0·07·25	-0·03·00	-0·00·40	+0·07·50
Therm.	84°·0	84°·2	83°·5	82°·5	81°·9	82°·9	83°·7	84°·0	84°·0	84°·0	84°·0	84°·0

TERM DAY OBSERVATIONS, 28th AND 29th AUGUST, 1846.

LARGE DECLINATION MAGNETOMETER.

Göttingen Mean Time. M. S.	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h
0·0	13′940	12′944	13′700	14′095	14′867	18′025	17′235	15′657	13′871	10′882	10′951	10′985
5·0	14·213	13·219	13·837	14·145	15·862	18·059	17·099	15·519	13·287	10·573	10·951	11·053
10·0	14·249	13·219	13·768	14·249	16·051	18·093	16·892	15·399	13·115	10·471	10·831	11·088
15·0	14·249	13·287	13·768	14·249	16·601	18·093	16·996	15 314	12·789	10·471	10·882	11·157
20·0	14·008	13·562	13·871	14·592	16·670	18·059	16·653	15·280	12·533	10·471	10·848	11·225
25·0	13·837	13·596	13·802	14·592	16·721	17·990	16·653	14·004	12·188	10·471	10·710	11·088
30·0	13·425	13·630	13·854	14·540	17·064	17·887	16·498	14·867	11·981	10·710	10·710	11·053
35·0	13·184	13·596	13·802	14·420	17·030	17·595	16·378	14·745	11·845	10·882	10·882	11·019
40·0	13·047	13·630	13·819	14·660	17·373	17·475	16·240	14·609	11·776	10·814	10·882	11·019
45·0	12·876	13·768	13·700	14·987	17·816	17·339	16·068	14·454	11·501	10·641	10·882	11·157
50·0	12·910	13·768	13·837	15·280	18·025	17·167	15·966	14·213	11·293	10·744	10·814	11·088
55·0	13·013	13·562	13·871	15·691	18·110	16·996	15·966	14·076	11·139	10·814	10·848	11·019

LARGE HORIZONTAL FORCE MAGNETOMETER.

Göttingen Mean Time. M. S.	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h
2·0	15·582	16·280	15·905	15·757	15·822	15·165	15·465	15·595	15·310	15·537	15·000	15·105
7·0	15·665	16·105	15·825	15·800	15·805	15·090	15·447	15·555	15·305	15·450	15·000	15·060
12·0	15·635	16·000	15·770	15·850	15·765	15·110	15·530	15·525	15·327	15·350	15·000	15·110
17·0	15·680	16·005	15·750	15·925	15·650	15·115	15·500	15·495	15·300	15·355	15·000	15·070
22·0	15·920	16·085	15·905	15·862	15·460	15·165	15·550	15·500	15·250	15·350	15·005	15·050
27·0	16·190	16·010	15·875	15·865	15·360	15·200	15·445	15·600	15·155	15·250	15·000	15·075
32·0	16·310	16·065	16·005	15·962	15·170	15·175	15·592	15·550	15·150	15·150	14·990	15·000
37·0	16·325	15·975	15·962	15·925	15·070	15·212	15·500	15·550	15·150	15·155	15·037	14·942
42·0	16·300	16·095	15·937	15·880	14·960	15·300	15·520	15·350	15·150	15·100	15·050	14·905
47·0	16·330	16·095	15·852	15·890	15·100	15·405	15·550	15·360	15·300	15·100	15·050	14·910
52·0	16·350	15·890	15 795	15 865	15·150	15·515	15·600	15·300	15·310	15·100	15·085	14·905
57·0	16·370	16·000	15·870	15·860	15·110	15·540	15·592	15·287	15·275	15·090	15·075	14 945
Therm.	81°·0	80·4	80°·4	81·0	81·2	81°·2	82°·0	83°·0	84°·2	84°·5	85°·0	85·8

VERTICAL FORCE MAGNETOMETER.

Göttingen Mean Time. M. S.	10^h	11^h	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h
3·0	+5·09·50	+5·01·40	+5·01·40	+5·12·55	+5·21·90	+5·20·10	+4·46·75	+4·43·55	+4·39·10	+4·31·50	+4·34·10	+4·34·10
8·0	+5·09·50	+5·01·40	+5·01·40	+5·12·55	+5·21·90	+5·20·10	+4·46·75	+4·43·55	+4·31·50	+4·26·60	+4·34·10	+4·37·70
13·0	+5·09·50	+5·01·40	+5·01·40	+5·15·60	+5·21·90	+5·15·75	+4·46·75	+4·43·55	+4·31·50	+4·26·60	+4·34·10	+4·37·70
18·0	+5·03·80	+5·01·40	+5·01·40	+5·15·60	+5·23·75	+5·15·75	+4·46·75	+4·43·55	+4·31·50	+4·26·60	+4·34·10	+4·37·70
23·0	+5·03·80	+5·01·40	+5·01·40	+5·15·60	+5·23·75	+5·09·90	+4·46·75	+4·43·55	+4·31·50	+4·26·60	+4·34·10	+4·37·70
28·0	+4·47·10	+5·01·40	+5·01·40	+5·15·60	+5·23·75	+5·09·90	+4·46·75	+4·43·55	+4·31·50	+4·26·60	+4·34·10	+4·33·20
33·0	+4·47·10	+5·01·40	+5·02·25	+5·15·60	+5·23·75	+5·09·90	+4·46·75	+4·39·10	+4·31·50	+4·26·60	+4·34·10	+4·33·20
38·0	+4·47·10	+5·01·40	+5·02·25	+5·15 60	+5·23·75	+5·09·90	+4·46·75	+4·39·10	+4·31·50	+4·26·60	+4·34·10	+4·33·20
43·0	+4·47·10	+5·01·40	+5·01·20	+5·19·40	+5·23·75	+5·02·70	+4·46·75	+4·39·10	+4·31·50	+4·26·60	+4·34·10	+4·33·20
48·0	+4·47·10	+5·01·40	+5·01·20	+5·21·90	+5·23·75	+5·02·70	+4·46·75	+4·39·10	+4·31·50	+4·26·60	+4·34·10	+4·33·20
53·0	+5·01·40	+5·01·40	+5·06·90	+5·21·90	+5·23·75	+4·46·75	+4·43·55	+4·39·10	+4·31·50	+4·26·60	+4·34·10	+4·33·20
58·0	+5·01·40	+5·01·40	+5·06·90	+5·21·90	+5·20·10	+4·46·75	+4·43·55	+4·39·10	+4·31·50	+4·34·10	+4·34·10	+4·33·25
Therm.	83·9	83·5	83·5	83°·2	82·4	81·8	82°·0	82°·5	83·5	83·9	84°·4.	85°·3

TERM DAY OBSERVATIONS, 28th AND 29th AUGUST, 1846.

LARGE DECLINATION MAGNETOMETER.

Göttingen Mean Time.	22^{h}	23^{h}	Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}
M. S.												
0·0	10′·968	11′·501	12′·290	12′·876	13′·219	13′·184	12′·635	12′·533	12′·995	13′·219	13′·562	13′·219
5 0	10·814	11·639	12·326	13 047	13·253	13·115	12·635	12·601	13·047	13·236	13·287	13·201
10·0	11·053	11·639	12·497	13·150	13·253	13·047	12·806	12·806	13·355	12·857	13·287	13·219
15·0	11·019	11·569	12·567	13·150	13·219	13·047	12·703	12·823	13·442	13·030	13·287	13·355
20·0	11·053	11·569	12·635	13·219	13·150	13·047	12·635	12·806	13·219	13·236	13·253	13·425
25·0	11·157	11·603	12·669	13·150	12·876	13·047	12·533	13·132	13·013	13·219	13·184	13·355
30·0	11·242	11·776	12·635	12·995	13·150	12·978	12·514	13·219	12·978	13·219	13·184	13·372
35·0	11·363	11·793	12·635	12·944	12·876	12·944	12·669	12·978	13·098	13·219	13·081	13·389
40·0	11·293	11·845	12·635	12·876	13·047	12·876	12·686	13·081	12·978	13·270	13·184	13·287
45·0	11·363	11·913	12·635	12·876	13·081	12·876	12·445	13·047	13·184	13·562	13·219	13·425
50·0	11·414	12·050	12·635	12·857	13·115	12·772	12·601	12·944	13·047	13·630	13·081	13·355
55·0	11·535	12·119	12·810	12·876	13·081	12·601	12·584	12·927	13·132	13·459	13·253	13·098

LARGE HORIZONTAL FORCE MAGNETOMETER.

Göttingen Mean Time.	22^{h}	23^{h}	Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}
M. S.												
2·0	14·900	14·850	15·105	15·055	15·047	15·010	15·142	15·527	16·125	15·965	15·672	15·852
7·0	14·900	14·830	15·100	15·015	15·010	14·982	15·175	15·580	15·975	15·900	15·630	15·755
12·0	14·900	14·850	15·100	14·895	15·025	14·960	15·175	15·500	15·975	15·660	15·607	15·720
17·0	14·900	14·890	15·080	14·922	15·020	14·977	15·227	15·505	15·920	15·650	15·680	15·720
22·0	14·900	14·950	15·080	14·835	15·070	14·935	15·225	15·647	15·875	15·525	15·645	15·680
27·0	14·945	14·950	15·075	14·967	15·062	14·930	15·402	15·580	15·777	15·675	15·592	15·710
32·0	14·925	14·977	15·070	14·955	15·060	14 980	15·222	15·755	15·907	15·627	15·600	15·695
37·0	14·940	14·995	15·082	15·027	15·015	14·985	15·390	15·975	15·987	15·630	15·620	15·690
42·0	14·910	15·000	15·050	15·092	15·005	15·055	15·312	16·100	16·050	15·562	15·655	15·695
47·0	14·950	15·045	15·087	15·107	14·995	15·095	15·500	15·995	16·002	15·580	15·690	15·710
52·0	14·905	15·060	15·060	15·065	14·995	15·100	15·380	16·047	16·000	15·600	15.687	15·872
57·0	14·855	15·095	15·060	15·020	15·022	15·140	15·555	16·060	16·075	15·580	15·770	15·995
Therm.	85°·9	85°·0	84°·7	83°·2	83·0	82°·5	82°·1	81°·6	81°·7	81°·3	81·9	81°·9

VERTICAL FORCE MAGNETOMETER.

Göttingen Mean Time.	22^{h}	23^{h}	Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}
M. S.												
3·0	+4·33·20	+4·43·70	+4·46·80	+4·46·80	+4·47·85	+4·43·55	+4·43·55	+4·39·95	+4·46·60	+4·43·80	+4·39·95	+4·45·10
8·0	+4·33·20	+4·43·70	+4·46·80	+4·46·80	+4·47·85	+4·43·55	+4·43·55	+4·39·95	+4·46·60	+4·43·80	+4·43·60	+4·45·10
13·0	+4·33·20	+4·43·70	+4·46·80	+4·46·80	+4·47·85	+4·43·55	+4·43·55	+4·39·95	+4·46·60	+4·43·80	+4·43·60	+4·45·10
18·0	+4·37·90	+4·43·70	+4·46·80	+4·46·80	+4·47·85	+4·43·55	+4·43·55	+4·39·95	+4·46·60	+4·43·80	+4·43·60	+5·30·00
23·0	+4·37·90	+4·46·80	+4·46·80	+4·46·80	+4·47·85	+4·43·55	+4·43·55	+4·44·50	+4·46·60	+4·43·80	+4·43·60	+5·30·00
28·0	+4·40·70	+4·46·80	+4·46·80	+4·46·80	+4·47·85	+4·43·55	+4·43·55	+4·44·50	+4·46·60	+4·43·80	+4·39·20	+5·30·00
33·0	+4·40·70	+4·46·80	+4·46·80	+4·44·40	+4·47·85	+4·43·55	+4·39·95	+4·44·50	+4·46·60	+4·43·80	+4·39·20	+5·30·00
38·0	+4·40·70	+4·46·80	+4·46·80	+4·44·40	+4·47·85	+4·43·55	+4·39.95	+4·44·50	+4·46·60	+4·43·80	+4·34·20	+5·30·00
43·0	+4·40·70	+4·46·80	+4·46·80	+4·44·40	+4·47·85	+4·43·55	+4·39 95	+4·44·50	+4·43·80	+4·43·80	+4·39·20	+5·30·00
48·0	+4·43·70	+4·46·80	+4·46·80	+4·44·40	+4·47·85	+4·43·55	+4·39·95	+4·44·50	+4·43·80	+4·43·80	+4·45·10	+5·30·00
53·0	+4·43·70	+4·46·80	+4·46·80	+4·44·40	+4·47·85	+4·43·55	+4·39·95	+4·46·60	+4·43·80	+4·43·80	+4·45·10	+5·21·50
58·0	+4·43·70	+4·46·80	+4·46·80	+4·47·85	+4·43·55	+4·43·55	+4·39·95	+4·46·60	+4·43·80	+4·43·80	+4·45·10	+5·17·40
Therm.	85°·9	85°·5	84°·7	83°·5	83°·0	84°·5	84°·4	84°·2	84°·2	84°·5	85°·0	84°·7

TERM DAY OBSERVATIONS, 23rd AND 24th SEPTEMBER, 1846.

LARGE DECLINATION MAGNETOMETER.

Göttingen Mean Time.	10^{h}	11^{h}	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}
M. S.												
0·0	13′906	13′906	14′042	13′630	15′091	17′064	16′068	13′425	11′157	10′848	11′019	11′157
5·0	13·906	13·906	14·213	13·837	15·416	17·509	15·794	13·493	11·157	10·744	11·293	11·363
10·0	13·871	13·906	14·213	13·837	15·519	17·612	15·280	13·287	11·053	10·710	11·293	11·397
15·0	13·871	13·906	14·213	13·906	15·657	17·578	15·485	13·047	10·985	10·848	11·293	11·431
20·0	13·871	13·906	13·888	13·974	15·760	17·373	15·450	12·806	11·814	11·019	11·293	11·465
25·0	13·837	14·042	13·630	14·042	16·017	17·390	15·416	12·533	10·744	11·088	11·293	11·535
30·0	13·768	14·162	13·425	14·179	16·291	17·458	15·280	12·394	10·848	11·053	11·019	11·707
35·0	13·700	14·317	13·425	14·249	16·360	17·509	14·936	11·981	10·814	11·019	11·157	11·981
40·0	13·768	14·283	13·425	14·437	16·653	17·458	14·694	11·707	11·019	11·019	11·293	12·050
45·0	13·768	14·249	13·459	14·592	16·773	17·064	14·317	11·569	11·019	11·019	11·363	12·153
50·0	13·802	14·249	13·493	14·592	16·858	16·672	14·249	11·465	10·848	10·916	11·327	12·188
55·0	13·802	14·249	13·527	14·832	16·943	16·532	13·906	11·293	10·814	10·951	11·053	11·153

LARGE HORIZONTAL FORCE MAGNETOMETER.

Göttingen Mean Time.	10^{h}	11^{h}	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}
M. S.												
2·0	15·155	15·360	15·452	15·695	15·400	15·340	15·275	15·890	16·040	16·300	16·050	15·750
7·0	15·160	15·320	15·570	15·660	15·400	15·317	15·350	15·860	16·010	16·240	16·050	15·700
12·0	15·127	15·445	15·600	15·670	15·415	15·162	15·360	15·800	16·020	16·225	15·960	15·630
17·0	15·205	15·410	15·555	15·635	15·460	15·150	15·420	15·840	16·030	16·230	16·060	15·570
22·0	15·275	15·410	15·682	15 647	15·460	15·100	15·450	15·830	16·140	16·200	16·150	15·520
27·0	15·285	15·320	15·750	15·652	15·410	15·040	15·485	15·875	16·200	16·150	16·150	15·460
32·0	15·290	15·300	15·720	15·650	15·435	14·995	15·550	15·900	16·200	16·160	16·040	15·470
37·0	15·300	15·200	15·725	15·570	15·505	15·005	15·575	15·960	16·240	16·150	15·990	15·450
42·0	15·310	15·180	15·755	15·500	15·510	14·990	15·625	15·990	16·230	16·105	15·935	15·360
47·0	15·370	15·250	15·800	15·450	15·600	15·020	15·710	16·015	16·210	16·150	16·015	15·265
52·0	15·400	15·300	15·720	15·425	15·435	15·080	15·760	16·000	16·245	16·180	16·000	15·300
57·0	15·400	15·360	15·705	15·405	15·390	15·192	15·860	16·020	16·300	16·160	15·915	15·350
Therm.	80·9	80·8	80·6	80·6	80·2	80·2	80·8	81·9	82·9	83·3	84·0	84·8

VERTICAL FORCE MAGNETOMETER.

Göttingen Mean Time.	10^{h}	11^{h}	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}
M. S.												
3·0	+5·29·80	+5·29·80	+5·29·80	+5·28·85	+5·34·05	+5·38·10	+5·31·85	+5·17·35	+5·11·50	+5·07·75	+5·08·75	+5·00·00
8·0	+5·29·80	+5·29·80	+5·29·80	+5·28·85	+5·34·05	+5·38·10	+5·24·90	+5·17·35	+5·11·50	+5·08·75	+5·08·75	+5·00·00
13·0	+5·29·80	+5·29·80	+5·29·80	+5·28·85	+5·34·05	+5·38·10	+5·24·90	+5·17·35	+5·08·75	+5·08·75	+5·08·75	+5·00·00
18·0	+5·29·80	+5·29·80	+5·29·45	+5·28·85	+5·34·05	+5·38·10	+5·24·90	+5·17·35	+5·08·75	+5·08·75	+5·08·75	+5·00·00
23·0	+5·29·80	+5·29·80	+5·29·45	+5·28·85	+5·38·10	+5·38·10	+5·24·90	+5·17·35	+5·08·75	+5·08·75	+5·08·75	+5·00·00
28·0	+5·29·80	+5·29·80	+5·29·45	+5·31·00	+5·38·10	+5·38·10	+5·24·90	+5·14·25	+5·08·75	+5·08·75	+5·08·75	+5·00·00
33·0	+5·29·80	+5·29·80	+5·29·45	+5·31·00	+5·38·10	+5·35·60	+5·22·60	+5·14·25	+5·08·75	+5·08·75	+5·08·75	+5·00·00
38·0	+5·29·80	+5·29·80	+5·29·45	+5·31·00	+5·38·10	+5·35·60	+5·22·60	+5·11·50	+5·08·75	+5·08·75	+5·08·75	+5·00·00
43·0	+5·29·80	+5·29·80	+5·29·45	+5·31·00	+5·38·10	+5·35·60	+5·22·60	+5·11·50	+5·08·75	+5·08·75	+5·08·75	+5·00·00
48·0	+5·29·80	+5·29·80	+5·30·60	+5·31·00	+5·38·10	+5·35·60	+5·22·60	+5·11·50	+5·08·75	+5·08·75	+5·08·75	+5·00·00
53·0	+5·29·80	+5·29·80	+5·30·60	+5·34·05	+5·38·10	+5·31·85	+5·22·60	+5 11·50	+5·08·75	+5·08·75	+5·08·75	+5·00·00
58·0	+5·29·80	+5·29·80	+5·30·60	+5·34·05	+5·38·10	+5·31·85	+5·22·60	+5·11·50	+5·08·75	+5·08·75	+5·00·00	+5·00·00
Therm.	83·2	83·3	83·0	83·1	82·3	81·2	80·9	81·8	82·4	82·6	83·2	84·5

TERM DAY OBSERVATIONS 23rd AND 24th SEPTEMBER, 1846.

LARGE DECLINATION MAGNETOMETER.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0·0	12′·256	13′·287	13′·734	13′·287	12′·669	13′·081	12′·876	12′·669	12′·876	13′·700	13′·287	13′·493
5·0	12·394	13·321	13·664	13·219	12·669	13·047	12·944	12·703	12·978	13·700	13·219	13·700
10·0	12·533	13·425	13·664	13·150	12·601	12·910	12·840	12·703	13·013	13·700	13·150	13·700
15·0	12·738	13·562	13 837	12·910	12·876	12·876	12·806	12·703	13·081	13·700	13·081	13·837
20·0	12·772	13·562	13·906	12·944	12·944	12·876	12·806	12·738	13·081	13·596	13·081	13·871
25·0	12·927	13·596	13·630	12·944	12·876	12·978	12·806	12·806	13·081	13·355	13·080	13·871
30·0	13·064	13·630	13·664	12·944	12·961	13·013	12·806	12·738	13·081	13·219	13·150	13·906
35·0	13·047	13·664	13·596	12·876	12·910	13·081	12·772	12·738	13·150	13·287	13·219	13·906
40·0	13·064	13·630	13·562	12·806	12·978	13·081	12 669	12·738	13·219	13·355	13·287	13·871
45·0	13·181	13·664	13·562	12·669	12·944	13·013	12·669	12·669	13·219	13·355	13·287	13·906
50·0	13·253	13·664	13·527	12·601	12·876	12·944	12·738	12·703	13·355	13·355	13·287	13·940
55·0	13·253	13·700	13·355	12·567	12·978	12·840	12·738	12·876	13·527	13·355	13·287	13·906

LARGE HORIZONTAL FORCE MAGNETOMETER.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2·0	15·345	15·010	14·990	15·190	15·210	15·307	15·260	15·290	15·390	15·422	15·705	15·500
7·0	15·270	15 045	15·030	15·220	15·225	15·310	15·260	15·270	15·270	15·345	15·675	15·500
12·0	15·305	15·070	15·005	15·210	15·240	15·325	15·250	15·275	15·370	15·335	15·670	15·495
17·0	15·245	15·055	14·960	15·200	15·200	15·310	15·220	15·310	15·390	15·260	15·630	15·490
22·0	15·315	15·025	15·035	15·200	15·217	15·305	15·270	15·310	15·345	15·262	15·600	15·480
27·0	15·250	15·040	14·972	15·200	15·212	15·250	15·310	15·300	15·320	15·300	15·580	15·470
32·0	15·220	15·010	15·045	15·200	15·210	15·230	15·270	15·295	15·315	15·345	15·575	15·470
37·0	15·150	14·990	15·032	15·200	15·295	15·240	15·300	15 350	15·272	15·405	15·552	15·470
42·0	15·100	14·985	15·060	15·200	15·267	15·250	15·300	15·390	15·287	15·515	15·520	15·530
47·0	15·072	14·990	15·100	15·220	15·260	15·275	15·310	15·430	15·337	15·520	15·510	15·540
52·0	15·010	14·990	15·160	15·270	15·250	15·260	15·295	15·425	15·385	15·610	15·530	15·560
57·0	15·010	14·995	15·195	15·257	15·327	15·270	15·295	15·400	15·427	15·690	15·535	15·645
Therm.	85°·0	84°·7	84°·0	83°·5	83°·0	82°·5	82°·1	82°·0	81°·7	81°·8	81°·6	81°·2

VERTICAL FORCE MAGNETOMETER.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3·0	+5·00·00	+5·10·60	+5·14·70	+5·14·70	+5·21·30	+5·18·50	+5·18·50	+5·18·50	+5·25·00	+5·24·05	+5·27·75	+5·31·60
8·0	+5·00·00	+5·10·60	+5·14·70	+5·14·70	+5·21·30	+5·18·50	+5·18·50	+5·18·50	+5·25·00	+5·24·05	+5·27·75	+5·31·60
13·0	+5·00·00	+5·10·60	+5·14·70	+5·14·70	+5·21·30	+5·18·50	+5·18·50	+5·18·50	+5·25·00	+5·24·05	+5·27·75	+5·31·60
18·0	+5·00·00	+5·10·60	+5·14·70	+5·14·70	+5·21·30	+5·18·50	+5·18·50	+5·18·50	+5·25·00	+5·26·50	+5·27·75	+5·31·60
23·0	+5·00·00	+5·10.60	+5·14·70	+5·14·70	+5·21·30	+5·18·50	+5·18·50	+5·18·50	+5·24·05	+5·27·75	+5·31·60	+5·31·60
28·0	+5·00·00	+5·10·60	+5·14·70	+5·14·70	+5·21·30	+5·18·50	+5·18·50	+5·18·50	+5·24·05	+5·27·75	+5·31·60	+5·31·60
33·0	+5·00·00	+5·10·60	+5·14·70	+5·14·70	+5·18·50	+5·18·50	+5·18·50	+5·25·00	+5·24·05	+5·27·75	+5·31·60	+5·31·60
38·0	+5·10·60	+5·14·70	+5·14·70	+5·19·00	+5·18·50	+5·18·50	+5·18·50	+5·25·00	+5·24·05	+5·27·75	+5·31·60	+5·31·60
43·0	+5·10·60	+5·14·70	+5·14·70	+5·19·00	+5·18·50	+5·18·50	+5·18·50	+5·25·00	+5·24·05	+5·27·75	+5·31·60	+5·31·60
48·0	+5·10·60	+5·14·70	+5·14·70	+5·19 00	+5·18·50	+5·18·50	+5·18·50	+5·25·00	+5·24·05	+5·27·75	+5·31·60	+5·31·60
53·0	+5·10·60	+5·14·70	+5·14·70	+5·19·00	+5·18·50	+5·18·50	+5·18·50	+5·25·00	+5·24·05	+5·27·75	+5·31·60	+5·31·60
58·0	+5·10·60	+5·14·70	+5·14·70	+5·21·30	+5·18·50	+5·18·50	+5·18·50	+5·25·00	+5·24·05	+5·27·75	+5·31·60	+5·31·60
Therm.	85°·0	84°·5	84°·2	83°·5	83°·2	84°·5	84°·7	84°·1	83°·8	83°·8	83°·9	83°·9

TERM DAY OBSERVATIONS, 22nd OCTOBER, 1846.

LARGE DECLINATION MAGNETOMETER.

Göttingen Mean Time M. S.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
0·0	13′664	13′562	13′510	13′459	13′888	15′536	14′488	13′906	11′947	11′501	11′913	12′497
5·0	13·527	13·700	13 355	13·459	14·145	15·623	14·317	13·906	11·845	11·501	11·845	12·394
10·0	13·664	13·802	13·201	13·425	14·230	15·604	14·471	13·562	11·845	11·501	11·776	12·394
15·0	13·630	13·768	13·321	13·596	14·437	15·553	14·249	13·355	11·845	11·501	12·050	12·188
20·0	13·596	13·734	13·425	13·527	14·523	15·570	14·592	13·047	11·845	11·397	12·119	12·256
25·0	13·425	13·700	13·372	13·630	14·523	15·230	14·249	12·876	11·810	11·157	12·222	12·394
30·0	13·389	13·459	13·735	13·184	14·867	15·176	14·249	12·876	11·569	11·157	12·222	12·394
35·0	13·493	13·620	13·510	13·613	14·918	15·021	14·059	12·876	11·501	11·327	12·222	12·428
40·0	13·459	13·630	13·596	13·751	15·211	14·798	14·111	12·703	11·501	11·431	12·256	12·567
55·0	13·321	13·355	13·562	13·630	15·245	14·557	13·717	12·533	11·501	11·431	12·360	12·703
50·0	13·596	13·527	13·562	13·871	15·280	14·745	13·906	12·533	11·501	11·569	12·463	13·081
55·0	13·596	13·389	13·562	13·854	15·450	14·488	13·871	12·360	11·501	11·845	12·567	13·184

LARGE HORIZONTAL FORCE MAGNETOMETER.

Göttingen Mean Time. M. S.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
2·0	15·955	15·880	16·100	16·190	16·275	16·065	16·450	16·300	16·397	16·550	16·400	16·060
7·0	15·945	15·920	16·135	16·162	16·192	15·995	16·425	16·300	16·500	16·510	16·500	16·050
12·0	15·905	15·815	16·080	16·130	16·342	15·990	16·410	16·300	16·575	16·450	16·455	16·040
17·0	15·870	16·035	16·040	16·130	16·280	15·990	16·400	16·300	16·480	16·450	16·375	15·960
22·0	15·950	16·065	16·075	16·160	16·155	16·085	16·422	16·300	16·450	16·440	16·335	15·940
27·0	15·930	16·105	16·030	16·097	16·265	16·205	16·450	16·290	16·495	16·450	16·245	15·845
32·0	15·880	16·150	16·017	16·155	16·375	16·200	16·450	16·302	16·490	16·440	16·185	15·800
37·0	15·935	16.175	16·077	16·097	16·295	16·307	16·490	16·310	16·490	16·450	16·220	15·690
42·0	15·890	16·160	16·117	15·940	16·200	16·267	16·490	16·305	16·500	16·450	16·152	15·552
47·0	15·940	16·140	16·097	16·030	16·215	16·317	16·445	16·310	16·532	16·425	16·140	15·400
52·0	15·910	16·160	16·165	16·180	16·245	16·342	16·400	16·360	16·535	16·355	16·120	15 300
57·0	15·875	16·155	16·160	16·242	16·055	16·415	16 350	16·357	16·550	16·300	16·110	15·150
Therm.	83°·0	83°·4	83°·1	82°·9	82°·5	82°·2	83°·3	85°·0	86°·3	86°·3	86°·7	86°·7

VERTICAL FORCE MAGNETOMETER.

Göttingen Mean Time. M. S.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
3.0	+1·28·50	+1·35·80	+1·35·80	+1·34·15	+2·04·15	+1·47·85	+1·23·55	+1·13·55	+1·04·95	+1·07·25	+1·18·00	+1·26·30
8·0	+1·28·50	+1·35·80	+1·31·90	+1·34·15	+2·02·00	+1·44·50	+1·23·55	+1·13·55	+1·00·70	+1·07·25	+1·18·00	+1·26·30
13·0	+1·33·50	+1·35·80	+1·31·90	+1·34·15	+2·02·00	+1·42·30	+1·20·45	+1·10·70	+1·00·70	+1·12·85	+1·18·00	+1·26·30
18·0	+1·33·50	+1·35·80	+1·36·40	+1·35·90	+1·47·85	+1·42·30	+1·20·45	+1·10·70	+1·03·70	+1·12·85	+1·21·30	+1·26·30
23·0	+1·33·50	+1·35·80	+1·36·40	+1·35·90	+1·47·85	+1·39·00	+1·20·45	+1·10·70	+1·03·70	+1·12·85	+1·21·30	+1·26·30
28 0	+1·33·50	+1·35·80	+1·34·15	+1·35·90	+1·47·85	+1·36·00	+1·17·90	+1·07·60	+1·04·30	+1·12·85	+1·21·30	+1·26·30
33·0	+1·33·75	+1·35·80	+1·34·15	+1·35·90	+1·47·85	+1·34·00	+1·17·90	+1·07·60	+1·04·30	+1·12·85	+1·26·30	+1·26·30
38·0	+1·33·75	+1·35·80	+1·34·15	+1·39·90	+1·47·85	+1·32·85	+1·17·90	+1·07·60	+1·04·30	+1·12·85	+1·26·30	+1·28·80
43·0	+1·33·75	+1·35·80	+1·34·15	+2·01·50	+1·47·85	+1·30·00	+1·13·55	+1·07·60	+1·04·30	+1·12·85	+1·26·30	+1·28·80
48·0	+1·33·75	+1·35·80	+1·34·15	+2·01·50	+1·47·85	+1·30·00	+1·13·55	+1·07·60	+1·04·30	+1·14·35	+1·26·30	+1·32·70
53·0	+1·33·75	+1·35·80	+1·34 15	+2·04·15	+1·47·85	+1·26·50	+1·11·55	+1·04·95	+1·04·30	+1·18·00	+1·26·30	+1·32·70
58·0	+1·33·75	+1·35·80	+1·34·15	+2·04·15	+1·47·85	+1·26·50	+1·13·55	+1·04·95	+1·04·30	+1·18·00	+1·26·30	+1·32·70
Therm.	87°·0	86°·7	86°·2	85·7	84°·7	83·1	83°·5	84°·4	85°·3	85·9	86·4	87°·0

TERM DAY OBSERVATIONS, 22nd AND 23rd OCTOBER, 1846

LARGE DECLINATION MAGNETOMETER.

Göttingen Mean Time.	22^h	23^h	Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h
0′·0	13′·150	14′·454	13′·837	13′·047	13′·664	13′·184	13′·906	13′·562	13′·406	13′·425	14′·059	13′·700
5·0	13·219	14·454	13·768	12·910	13·906	13·219	14·249	13·219	13·321	13·493	13·871	13·664
10·0	13·321	14·317	13·717	13·184	13·974	13·355	13·906	13·047	13·219	13·562	13·837	13·630
15·0	13·562	14·351	13·681	13·013	13·906	13·562	14·008	12·806	13·253	13·562	13·906	13·906
20·0	13·837	14·042	13·579	13·081	13·802	13·527	14·008	13·040	13·389	13·562	13·871	13·700
25·0	13·940	14·249	13·544	13·219	13·785	13·630	13·906	13·184	13·630	13·562	13·837	13·630
30·0	14·111	14·213	13·544	13·493	13·700	13·493	13·562	12·927	13·596	13·630	13·871	13·425
35·0	14·283	14·249	13·459	13·442	13·717	13·596	13·681	12·876	13·596	13·630	13·700	13·493
40·0	14·454	14·179	13·459	13·132	13·562	13·664	13·906	12·840	13·923	13·596	13·802	13·287
45·0	14·523	14·111	13·287	13·389	13·287	13·734	14·008	12·944	13·734	13·837	13·837	13·219
50·0	14·592	13·974	13·219	13·355	13·287	13·734	14·042	12·910	13·681	13·854	13·562	13·219
55·0	14·488	13·974	13·184	13·562	13·287	13·630	13·630	12·910	13·630	13·837	13·734	13·459

LARGE HORIZONTAL FORCE MAGNETOMETER.

Göttingen Mean Time.	22^h	23^h	Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h
M. S.												
2·0	15′·047	15·340	15·405	15·485	15·185	15·132	14·875	16·000	16·350	15·950	15·560	15·985
7·0	14·950	15·415	15·425	15·430	15·110	15·105	14·945	16·125	16·247	15·875	15·605	15·875
12·0	14·900	15·450	15·480	15·350	15·165	15·070	14·900	16·250	16·250	15·900	15·585	15·865
17·0	14·870	15·400	15·450	15·250	15·225	15·050	14·865	16·300	16·050	15·925	15·710	15·870
22·0	14·850	15·420	15·450	15·157	15·315	14·960	14·945	16·350	16·075	15·925	15·730	15·960
27·0	14·860	15·470	15·460	15·112	15·300	15·037	15·075	16·475	16·100	15·925	15·705	15·995
32·0	14·960	15·425	15·472	15·165	15·275	14·932	15·075	16·540	16·000	15·875	15·750	16·005
37·0	15·020	15·410	15·490	15·147	15·252	14·890	15·175	16·635	15·975	15·850	15·750	16·050
42·0	15·060	15·400	15·482	15·170	15·255	14·860	15·300	16·477	16·000	15·800	15·790	16·075
47·0	15·140	15·360	15·500	15·175	15·165	14·860	15·550	16·400	16·025	15·730	15·755	16·020
52·0	15·190	15·380	15·500	15·235	15·185	14·850	15·750	16·347	16·075	15·650	15·960	15·900
57·0	15·260	15·400	15·495	15·205	15·160	14·892	15·852	16·325	16·045	15·625	15·905	15·950
Therm.	86°·7	86°·0	85°·9	85°·3	85°·0	84°·6	84°·0	83°·5	83°·0	83°·0	82°·7	82°·6

VERTICAL FORCE MAGNETOMETER.

Göttingen Mean Time.	22^h	23^h	Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h
M. S.												
3·0	+1·32·70	+1·33·20	+1·26·30	+1·26·40	+1·34·30	+2·38·25	+2·44·20	+2·34·70	+2·40·90	+2·42·00	+2·39.00	+2·43·50
8·0	+1·32·70	+1·33·20	+1·26·40	+1·26·40	+1·34·30	+2·36·50	+2·39·75	+2·32·60	+2·40·90	+2·39·00	+3·41·05	+2·43·50
13·0	+1·32·70	+1·33·20	+1·26·40	+1·26·40	+1·34·30	+2·36·50	+2·39·75	+2·32·60	+2·40·90	+2·39·00	+3·21·25	+2·43·50
18·0	+1·32·70	+1·33·20	+1·26·40	+1·28·80	+1·34·30	+2·36·50	+2·39·75	+2·32·60	+2·40·90	+2·39·00	+3·08·80	+2·43·50
23·0	+1·36·60	+1·33·20	+1·26·40	+1·28·80	+1·31·65	+2·38·70	+2·39·75	+2·32·60	+2·44·40	+2·39·00	+2·49·20	+2·43.50
28·0	+1·36·60	+1·33·20	+1·26·40	+1·30·60	+1·32·95	+2·41·90	+2·39·75	+2·32·60	+2·44·40	+2·39·00	+2·49·20	+2·43·50
33·0	+1·36·60	+1·33·20	+1·26·40	+1·30·60	+1·32·95	+2·42·40	+2·37·80	+2·32·60	+2·44·40	+2·39·00	+2·49·20	+2·43·50
38·0	+1·36·60	+1·29·20	+1·26·40	+1·29·00	+1·32·95	+2·44·20	+2·37·80	+2·32·60	+2·44·40	+2·39·00	+2·43·50	+2·43·50
43·0	+1·36·60	+1·29·20	+1·26·40	+1·32·60	+2·46·35	+2·44·20	+2·37·80	+2·35·30	+2·44·40	+2·39·00	+2·43·50	+2·43·50
48·0	+1·36·60	+1·29·20	+1·26·40	+1·32·60	+2·38·25	+2·44·20	+2·37·80	+2·37·50	+2·42·00	+2·39·00	+2·43·50	+2·43·50
53·0	+1·36·60	+1·25·30	+1·26·40	+1·32·60	+2·38·25	+2·44·20	+2·34·70	+2·37·50	+2·42·00	+2·39·00	+2·43·50	+2·43·50
58·0	+1·36·60	+1·26·30	+1·26·40	+1·36·30	+2·38·25	+2·44·20	+2·34·70	+2·40·90	+2·42·00	+2·39·00	+2·43·50	+2·43·50
Therm.	87°·0	86°·4	86°·0	85°·6	86°·6	87°·2	86°·6	86°·6	86°·6	86°·3	86°·0	86°·0

TERM DAY OBSERVATIONS, 27th AND 28th NOVEMBER, 1846

LARGE DECLINATION MAGNETOMETER.

Göttingen Mean Time.	10^{h}	11^{h}	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}
M. S.												
0·0	13′562	13′425	12′533	12·635	12′480	12′601	13′150	13′219	13′081	12′307	12′876	12′806
5·0	13·510	13·287	12·669	12·635	12·360	12·514	12·876	13·219	12·944	12·360	12·876	12·876
10·0	13·562	13·355	12·669	12·686	12·343	12·497	13·150	13·219	12·944	11·947	12·876	13·013
15·0	13·562	13·150	12·601	12·669	12·360	12·550	13·236	13·219	13·013	12·256	12·876	13·184
20·0	13·768	13·081	12·326	12·601	12·463	12·669	12·944	13·253	12·840	12·222	12·876	13·219
25·0	13·768	13·047	12·326	12·428	12·584	12·806	12·910	13·287	12·772	12·360	13·013	13·406
30·0	13·734	12·910	12·360	12·533	12·514	12·840	13·047	13·287	12·806	12·360	12·944	13·372
35·0	13·596	12·876	12·445	12·394	12·326	12·755	13·115	13·219	12·876	12·635	12·840	13·596
40·0	13·493	12·669	12·497	12·326	12·394	12·876	13·201	12·995	12·772	12·876	12·910	13·630
45·0	13·476	12·533	12·533	12·360	12·326	13·047	13·219	12·944	12·703	12·567	12·876	13·785
50·0	13·630	12·497	12·394	12·394	12·394	13·150	13·184	12·995	12·669	12·533	13·081	13·871
55·0	13·544	12·567	12·567	11·501	12·394	13·081	13·219	13·081	12·428	12·806	12·840	14·008

LARGE HORIZONTAL FORCE MAGNETOMETER.

Göttingen Mean Time.	10^{h}	11^{h}	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}
M. S.												
2·0	16·695	16·675	17·040	16·842	17·010	17·405	17·050	17·200	16·950	16·810	16·550	16·090
7·0	16·670	16·730	17·010	16·790	17·035	17·410	17·000	17·150	16·950	16·775	16·460	16·120
12·0	16·655	16·740	17·010	16·760	17·120	17·400	17·010	17·160	16·962	16·770	16·417	16·130
17·0	16·690	16·766	17·050	16·760	17·200	17·355	17·050	17·150	16·925	16·750	16·315	16·155
22·0	16·690	16·820	17·045	16·775	17·187	17·325	17·150	17·150	16·855	16·660	16·170	16·140
27·0	16·705	16·815	17·037	16·800	17·200	17·270	17·200	17·100	16·850	16·650	16·200	16·105
32·0	16·675	16·850	17·000	16·815	17·187	17·110	17·235	17·080	16·750	16·650	16·202	16·095
37·0	16·662	16·870	16·950	16·817	17·172	17·050	17·247	17·100	16·917	16·600	16·240	16·080
42·0	16·670	16·905	16·945	16·890	17·247	17·060	17·250	17·145	16·910	16·600	16·225	16·105
47·0	16·670	16·935	16·890	16·940	17·272	16·950	17·240	17·150	16·850	16·500	16·230	16·065
52·0	16·650	16·990	16·840	16·965	17·345	16·965	17·210	17·065	16·800	16·550	16·280	16·000
57·0	16·675	17·010	16·805	17·000	17·395	17·030	17·210	16·995	16·850	16·550	16·150	15·885
Therm.	81°·9	81°·8	81°·4	81°·4	81°·0	81·0	81°·7	84°·5	85°·7	86°·6	88°·0	88°·3

VERTICAL FORCE MAGNETOMETER.

Göttingen Mean Time.	10^{h}	11^{h}	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}
M. S.												
3·0	-4·35·80	-4·39·20	-4·30·30	-4·33·80	-4·29·70	-4·09·85	-3·43·90	-4·06·65	-4·26·90	-5·06·65	-4·47·55	-4·25·40
8·0	-4·35·80	-4·39·20	-4·30·20	-4·15·90	-4·25·30	-4·09·85	-3·47·75	-4·06·65	-4·32·70	-5·06·65	-4·44·10	-4·25·40
13·0	-4·35·80	-4·39·20	-4·22·80	-4·15·50	-4·17·05	-4·09·85	-4·05·50	-4·06·65	-4·32·70	-5·13·10	-4·43·80	-4·17·40
18·0	-4·27·80	-5·02·70	-4·29·55	-4·19·25	-4·12·30	-3·48·85	-4·12·80	-4·06·65	-4·37·35	-5·13·10	-4·43·80	-4·14·20
23·0	-4·27·80	-4·46·40	-4·26·90	-4·27·30	-4·04·10	-3·48·85	-4·19·30	-4·06·65	-4·37·35	-5·01·85	-4·29·40	-4·08·30
28·0	-4·27·80	-4·46·40	-4·32·45	-4·22·40	-4·01·10	-3·48·85	-4·19·30	-4·11·60	-4·37·35	-5·01·85	-4·29·40	-3·49·60
33·0	-4·27·80	-4·46·40	-4·26·45	-4·25·80	-4·13·30	-3·48·85	-4·15·20	-4·11·60	-4·37·35	-5·01·85	-4·39·40	-3·49·60
38·0	-4·34·50	-4·46·40	-4·26·45	-4·25·80	-4·13·30	-3·48·85	-4·15·20	-4·19·20	-5·00·40	-5·01·85	-4·33·20	-3·49·60
43·0	-4·34·50	-4·46·40	-4·25·75	-4·25·80	-4·10·80	-3·48·85	-4·15·20	-4·19·20	-5·00·40	-5·01·85	-4·33·20	-3·49·60
48·0	-4·34·50	-4·39·80	-4·30·15	-4·25·80	-4·07·30	-3·48·85	-4·06·65	-4·26·90	-5·00·40	-5·01·85	-4·33·20	-3·40·90
53·0	-4·27·10	-4·39·80	-4·31·90	-4·21·10	-4·07·30	-3·48·85	-4·06·65	-4·26·90	-5·00·40	-5·01·85	-4·40·50	-3·40·90
58·0	-4·34·60	-4·30·10	-4·33·80	-4·21·10	-4·07·30	-3·48·85	-4·06·65	-4·26·90	-5·06·65	-5·01·85	-4·31·50	-3·40·90
Therm.	84·4	84°·3	84·0	83·7	83°·6	81·5	81°·8	82°·5	83°·7	84°·6	86°·0	87°·1

TERM DAY OBSERVATIONS, 27th AND 28th NOVEMBER, 1846.

LARGE DECLINATION MAGNETOMETER.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0·0	14'·249	14'·694	13'·871	14'·008	14'·420	14'·213	14'·042	14'·523	14'·317	13'·802	14'·540	13'·630
5·0	14·249	14·660	13·802	14·008	14·334	14·249	14·042	14·557	14·283	13·906	14·386	13·527
10·0	14·351	14·592	13·734	14·076	14·368	14·179	13·940	14·592	14·283	13·906	14·351	13·630
15·0	14·437	14·592	13·837	14·042	14·351	14·145	14·111	14·394	14·249	14·008	14·111	13·596
20·0	14·592	14·523	13·940	14·042	14·540	14·179	14·145	14·626	14·230	14·179	14·076	13·700
25·0	14·626	14·523	13·940	14·249	14·454	14·179	14·111	14·626	14.042	14 249	13·906	13·562
30·0	14·592	14·523	13·906	14·249	14·523	14·145	14·111	14·694	13·664	14·213	13·871	13·493
35·0	14·728	14·351	13·734	14·368	14·317	14·111	14·179	14·523	13·562	14·145	13·837	13·630
40·0	14·728	14·179	13·664	14·523	14·351	14·042	14·317	14·779	13·562	14·076	13·906	13·459
45·0	14·728	14·042	13·734	14·523	14·300	14·042	14·420	14·762	13·562	14·249	13·837	13·562
50·0	14·694	13·906	13·768	14·523	14·351	14·042	14·488	14·557	13·871	14·266	13·717	13·562
55·0	14·660	13·974	13·768	14·454	14·249	14·042	14·557	14·420	13·700	14·488	13·837	13·493

LARGE HORIZONTAL FORCE MAGNETOMETER.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2·0	15·835	15·670	15·770	15·950	16·107	16·145	16·005	16·100	16·150	16·105	16·090	16·370
7.0	15·707	15·690	15·750	15·975	16·120	16·147	15·960	16·000	16·150	16·105	16·150	16·420
12·0	15·640	15·685	15·760	15·932	16·137	16·130	16·025	15·965	16·130	16·125	16·170	16·435
17·0	15·635	15·700	15·800	15·922	16·150	16·100	16·030	15·950	16·170	16·150	16·175	16·410
22·0	15·650	15·670	15·750	15·870	16·157	16·137	16·050	15·950	16·235	16·177	16·235	16·392
27·0	15·690	15·660	15·745	15·860	16·202	16·130	16·050	15·950	16·280	16·200	16·220	16·440
32·0	15·680	15·650	15·780	15·855	16·135	16·140	16·050	16·050	16·297	16·217	16·265	16·440
37·0	15·650	15·625	15·850	15·865	16·130	16·107	16·067	16·047	16·255	16·200	16·260	16·405
42·0	15·660	15·685	15·855	15·900	16·125	16·120	16·150	16·050	16·250	16·150	16·260	16·385
47·0	15·660	15·700	15·890	15·975	16·102	16·095	16·200	16·100	16·100	16·100	16·295	16·365
52·0	15·695	15·740	15·900	16·000	16·140	16·030	16·200	16·255	16·200	16·100	16·340	16·390
57·0	15·680	15·740	16·010	16·100	16·140	16·000	16·172	16·200	16·160	16·100	16·360	16·390
Therm.	88°·8	88°·4	88°·0	86°·9	85°·6	85°·2	84°·6	84°·2	84°·0	83°·5	83°·1	82°·9

VERTICAL FORCE MAGNETOMETER.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3·0	–3·40·90	–4·07·70	–4·18·60	–3·37·80	–3·49·70	–4·02·30	–4·15·50	–4·02·30	–4·09·50	–4·12·60	–4·02·45	–4·15·90
8·0	–3·34·80	–4·07·70	–4·10·85	–3·37·80	–3·49·70	–4·02·30	–4·17·95	–3·44·20	–4·09·50	–4·12·60	–4·10·90	–4·15·90
13·0	–3·42·00	–4·07 70	–4·10·85	–3·37·80	–3·49·70	–4·04·05	–4·17·95	–3·44·20	–4·09.50	–4·12·60	–4·10·60	–4·09·90
18·0	–3·42·00	–4·07·70	–4·05·50	–3·35·80	–3·44·15	–4·03·40	–4·17·95	–3·44·20	–4·09·50	–4·12·60	–4·18·80	–4·09·90
23·0	–4·00·90	–4·07·70	–4·05·50	–3·29·85	–3·44·15	–4·03·40	–4·09·50	–3·44·20	–4·09·50	–4·12·60	–4·18·80	–4·09·90
28·0	–4·01·80	–4·07·70	–4·05·50	–3·33·00	–3·47·00	–4·07·80	–4·09·50	–3·44·20	–4·09·50	–4·12·60	–4·24·80	–4·09·90
33·0	–4·01·80	–4·15·90	–4·05·50	–3·33·00	–3·47·00	–4·07·80	–4·09·50	–3·49·80	–4·09·50	–4·12·60	–4·15·90	–4·09·90
38·0	–4·01·80	–4·15·90	–4·05·50	–3·33·00	–3·48·70	–4·10·95	–4·09·50	–3·49·80	–4·09·50	–4·12·60	–4·15·90	–4·05·60
43·0	–4·01·80	–4·18·60	–4·05·50	–3·36·75	–3·48·70	–4·10·95	–4·02·30	–3·49·80	–4·09·50	–4·12·60	–4·15·90	–4·05·60
48·0	–4·01·80	–4·18·60	–4·00·00	–3·39·45	–3·48·70	–4·12·30	–4·02·30	–3·49·80	–4·02·25	–4·02·45	–4·15·90	–4·05·60
53·0	–4·07·70	–4·18·60	–4·00·00	–3·43·40	–4·02·80	–4·15·50	–4·02·30	–4·09·50	–4·02·25	–4·02·45	–4·15·90	–4·05·60
58·0	–4·07·70	–4·18·60	–3·37·80	–3·43·90	–4·05·15	–4·15·50	–4·02·30	–4·09·50	–4·12·60	–4·02·45	–4·15·90	–4·05·60
Therm.	87°·5	87°·5	87°·5	86°·3	87°·1	87°·0	87°·0	86°·0	86°·0	86°·0	85°·7	85°·3

TERM DAY OBSERVATIONS, 22nd AND 23rd DECEMBER, 1846.

LARGE DECLINATION MAGNETOMETER.

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0·0	12′910	13′700	13′888	11′776	12′812	13′734	14′178	14′936	13′906	13′372	13′562	14′351
5·0	12·944	13·768	13·562	12·188	13·219	13·304	14·283	14·901	13·906	13·253	13·664	14·386
10·0	12·876	13·700	13·527	12·290	13·253	13·630	14·145	14·660	13·906	13·287	13·871	14·386
15·0	13·081	13·906	13·184	12·222	13·355	13·717	14·249	14·592	13·630	13·236	13·974	14·454
20·0	13·081	13·871	13·321	12·188	13·389	13·596	14·420	14·317	13·734	13·219	14·042	14·454
25·0	12·995	13·871	13·493	12·188	13·219	13·837	14·592	14·249	13·562	13·219	14·042	14·454
30·0	12·738	13·734	13·321	12·290	13 389	13·837	14·592	14·249	13·562	13·219	14·076	14·660
35·0	12·840	13·802	13·184	12·772	13·493	13·837	14·867	14·557	13·493	13·219	14·145	14·660
40·0	13·355	13·802	13·442	12·703	13·013	13·991	14·936	14·592	13·287	13·253	14·213	14·660
45·0	13·150	13·802	12·703	13·047	13·219	14·059	14·592	14·249	13·219	13·253	14·317	14·660
50·0	13·459	13·871	12·504	12·944	13·219	14·128	14·798	14·249	13·355	13·355	14·317	14·660
55·0	13·321	13·871	12·119	13·135	13·219	14·162	14·936	14·249	13·304	13·389	14·317	14·660

LARGE HORIZONTAL FORCE MAGNETOMETER.

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	18·485	18·400	18·270	18·915	18·940	18·592	18·270	17·850	18·190	18·352	18·190	17·850
7·0	18·535	18·385	18·220	18·880	19·005	18·662	18·105	17·850	18·200	18·355	18·150	17·800
12·0	18·525	18·375	18·125	18·875	19·000	18·565	18·220	17·900	18·200	18·350	18·130	17·755
17 0	18·310	18·330	18·087	18·850	18·962	18·380	18·200	17·950	18·250	18·350	18·100	17·715
22·0	18·370	18·300	18·095	18·840	18·910	18·395	18·150	18·050	18·250	18·350	18·070	17·685
27·0	18·505	18·320	18·025	18·895	18·890	18·375	18·140	18·050	18·290	18·350	18·030	17·680
32·0	18·515	18·275	18·017	18·790	18·700	18·350	18·025	18·050	18·300	18·350	17·990	17·635
37·0	18·525	18·220	18·027	18·736	18·800	18·357	17·995	18·000	18·300	18·350	17·965	17·640
42·0	18·580	18·260	17·940	18·700	18·760	18·335	18·000	13·000	18·320	18·250	17·930	17·625
47·0	18·575	18·280	18·135	18·650	18·732	18·362	17·882	18·095	18·350	18·250	17·910	17·600
52·0	18·545	18·230	18·340	18·710	18 580	18·350	17·900	18·100	18·350	18·250	17·870	17·560
57·0	18·475	18·285	18·642	18·762	18·550	18·345	17·900	18·150	18·350	18·220	17·855	17·565
Therm.	76°·8	76°·6	76°·2	76°·4	76·2	75·9	76·9	77°·8	79°·0	80°·3	81°·1	82°·1

VERTICAL FORCE MAGNETOMETER.

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3·0	−3·09·50	+1·31·80	+2·36·50	+ 2·06·30	+12·16·90	+16·31·20	+17·11·90	+15·36·85	+13·18·00	+12·04·95	+10·13·65	+11·27·90
8 0	−3·09·50	+1·47·00	+2·34·20	+ 4·29·55	+13·41 00	+16·25·70	+16·48·60	+15·36·85	+13·18·00	+11·38·05	+10·44·90	+11 33·80
13·0	−2·21·30	+1·47·00	+2·19·90	+ 5·08·10	+15·34·85	+17·12·75	+16·38·70	+15·19·90	+13·06·90	+11·38·05	+10·44·80	+11·33·80
18·0	−2·12·90	+2·07·50	+2·22·05	+ 6·41·90	+15·41·25	+17·42·90	+16·36·95	+14·30·35	+13·06·90	+11·21·80	+11·15·90	+12·04·50
23·0	−1·47·80	+2·01·40	+2·22·45	+ 7·12·40	+16·36·95	+16·45·65	+16·36·95	+14·06·90	+13·06·90	+11·14·15	+11·13·90	+12·05·70
28·0	−1·47·10	+1·47·40	+2·37·95	+ 7·49·90	+17·12·30	+16·45·65	+15·18·00	+14·06·90	+12·49·80	+11·05·50	+11·27·30	+12·21·80
33·0	−1·30·10	+3·01·50	+2·39·10	+ 8·49·60	+17·20·30	+16·45·65	+15·44·25	+14·12·75	+12·42·85	+10·45·05	+11·21·30	+12·29·70
38·0	−1·01·30	+2·39·70	+3·06·80	+10·23·80	+17·06·15	+16·39·75	+15·41·25	+14·12·75	+12·38·75	+10·36·60	+11·26·00	+12·33·60
43·0	−0·24·50	+2·30·40	+2·33·90	+11·04·55	+16·47·50	+17·04·45	—	+13·46·40	+12·38·75	+10·30·70	+11·23·70	+12·31·90
48·0	+0·04·70	+3·21·00	+2·00·65	+11·18·65	+16·26·35	+16·49·45	+16·42·90	+13·46·40	+12·10·00	+10·26·90	+11·27·90	+12·33·20
53·0	+0·25·00	+3·20·20	+1·47·50	+11·29·75	+16·08·00	+16·49·45	+16·24·10	+13·35·75	+12·04·95	+10·21·90	+11·27·90	+12·23·90
58·0	+0·36·10	+3·20·20	+1·46·65	+11·07·60	+16·25·40	+16·49·45	+16·24·10	+13·18·00	+12·04·95	+10·08·90	+11·27·90	+12·23·90
Therm.	80°·0	78°·9	78°·3	78°·8	78·7	77·3	76·9	77·0	78°·0	78°·0	80°·3	81°·4

TERM DAY OBSERVATIONS, 22nd AND 23rd DECEMBER, 1846.

LARGE DECLINATION MAGNETOMETER.

Göttingen Mean Time.	22^{h}	23^{h}	Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}
M. S.												
0·0	14′745	14′936	14′970	14′867	14′626	14′592	14′076	13′974	14′042	14′162	14′249	13′906
5·0	14·798	15·004	14·936	14·660	14·695	14·592	13·923	14·213	14·111	13·940	14·249	13·734
10·0	14·798	15·004	14·918	14·523	14·728	14·592	14·042	13·974	14·420	14·351	14·283	13·837
15·0	14·798	15·004	14·867	14·420	14·849	14·592	14·042	14·008	13·768	13·974	14·111	14·249
20·0	14·832	15·074	14·867	14·420	14·867	14·592	14·111	14·196	14·420	13·906	14·213	13·871
25·0	14·832	15·074	14·798	14·488	14·884	14·523	14·213	13·940	14·300	14·249	14·249	13·906
30·0	14·832	15·004	14·936	14·728	14·936	14·454	14·249	13·906	14·574	14·076	14·386	13·700
35·0	14·832	15·004	14·867	14·660	14·867	14·351	14·317	13·940	14·505	14·076	14·249	13·700
40·0	14·798	15·004	14·849	14·592	14·695	14·249	14·386	14·008	14·454	14·093	14·454	13·802
45·0	14·936	14·936	14·936	14·557	14·660	14·249	14·249	14·145	14·592	14·076	14·351	13·837
50·0	14·936	14·936	14·936	14·540	14·660	14·317	14·179	14·128	14·317	14·249	14·317	13·664
55·0	14·936	15·004	14·867	14·592	14·592	14·420	13·906	14·076	14·523	13·974	13·940	13·768

LARGE HORIZONTAL FORCE MAGNETOMETER.

Göttingen Mean Time.	22^{h}	23^{h}	Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}
M. S.												
2·0	17·615	17·500	17·550	17·645	17·670	17·665	18·150	17·900	17·840	18.550	18·450	18·380
7·0	17·630	17·500	17·550	17·630	17·675	17·660	18·105	17·850	17·850	18·425	18·330	18·465
12·0	17·620	17·500	17·540	17·615	17·635	17·640	18·100	17·950	17·225	18·460	18·440	18·395
17·0	17·580	17·455	17·510	17·610	17·655	17·697	18·100	17·980	18·075	18·460	18·415	18·510
22·0	17·552	17·457	17·500	17·645	17·662	17·785	18·075	17·005	18·162	18·450	18·475	18·500
27·0	17·535	17·510	17·500	17·670	17·657	17·845	18·100	17·900	18·300	18·375	18·520	18·600
32·0	17·510	17·545	17·500	17·690	17·650	17·900	18·175	17·950	18·375	18·400	18·560	18·550
37·0	17·505	17·550	17·505	17·697	17·655	17·905	18·180	17·925	18·475	18·455	18·465	18·485
42·0	17·525	17·550	17·545	17·715	17·640	17·925	18·200	17·875	18·550	18·526	18·450	18·525
47·0	17·520	17·550	17·545	17·932	17·660	17·875	18·100	17·900	18·572	18·475	18·375	18·590
52·0	17·505	17·550	17·650	17·712	17·660	18·085	18·100	17·875	18·575	18·370	18·455	18·650
57·0	17·500	17·550	17·655	17·700	17·675	18·090	18·200	17·850	18·575	18·345	18·370	18·600
Therm.	83°·0	83°·6	81°·1	82°·1	81°·1	80°·0	79°·4	79°·0	78°·1	77°·5	76°·8	76°·6

VERTICAL FORCE MAGNETOMETER.

Göttingen Mean Time.	22^{h}	23^{h}	Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}
M. S.												
3·0	+12·23·90	+13·13·50	+14·01·20	+13·30·65	+15·26·05	+15·13·30	+14·32·50	+16·38·00	Cross out of View.	Cross out of View.	+18·30·40	+19·37·00
8·0	+12·23·90	+13·13·50	+14·01·20	+13·30·65	+15·30·06	+15·18·50	+15·08·90	+16·38·00			+18·30·40	+19·47·50
13·0	+12·34·00	+13·23·20	+14·01·20	+14·21·70	+15·42·60	+15·20·60	+15·08·90	+17·28·00			+18.30·40	+20·16·40
18·0	+12·40·30	+13·28·30	+13·45·55	+14·35·25	+15·35·85	+15·26·75	+15·17·25	+17·28·00				+20·34·40
23·0	+12·49·70	+13·23·60	+13·38·95	+14·43·80	+15·35·85	+15·10·50	+15·35·30	+17·28·00			Cross out of View.	+20·34·00
28·0	+12·49·70	+13·23·60	+13·34·50	+14·46·80	+15·32·50	+15·22·45	+15·43·10	Cross out of View.				Cross out of View.
33·0	+12·49·70	+13·23·60	+13·34·50	+14·46·80	+15·32·50	+15·08·60	+15·43·10					
38·0	+12·49·70	+13·33·90	+13·34·50	+14·38·90	+15·27·55	+15·08·60	+15·43·10					
43·0	+12·49·70	+13·33·90	+13·34·50	+14·38·90	+15·25·75	+15·08·60	+16·05·40				+20·08·90	
48·0	+12.49·70	+13·43·20	+13·38·55	+14·38·90	+15·18·00	+15·18·00	+16·05·40				+20·08·90	
53·0	+13·07·90	+13·43·20	+13·30·65	+15·12·55	+15·18·00	+15·18·00	+16·19·40				+20·08·90	
58·0	+13·07·90	+14·01·20	+13·30·65	+15·12·55	+15·13·30	+14·46·80	+16·38·00				+19·37·00	
Therm.	82°·6	83°·5	83°·5	82°·6	82°·5	83°·2	82°·1	82°·5	81°·5	81°·0	80°·6	79°·8

ABSOLUTE DETERMINATIONS OF HORIZONTAL FORCE, 1846.

Date and hour of Observations.		Vibrations.				Deflections.							
		Magnet vibrated.	No. of Vibrations.	Time of one Vibration.	Torsion force.	Distances.	Deflected Magnet on				Torsion force.	H. F. M. at	
							East Side.		West Side.				
							N. Pole E.	N Pole W	N. Pole E.	N. Pole W		Vibration.	Deflection.
D.	H.					F.							
JANUARY. 1st	0	A 51	200	3^{s}·497	......	2·5	94·545	89·585	94·550	89·540	....	–2·15	–2·05
						2·0	96·900	87·250	96·910	87·150			
2d	0	A 51	200	3·499	1·0013	2·5	94·550	89·595	94·545	89·550	......	–2·75	–2·75
						2·0	96·890	87·250	96·900	87·200	1·0004		
3d	0	A 51	200	3·496	......	2·5	94·400	89·435	94·380	89·400	......	–2·90	–2·85
						2·0	96·725	87·100	96·730	87·010			
5th	0	A 51	200	3·498	......	2·5	94·310	89·420	94·350	89·350	......	–2·55	–2·55
						2·0	96·675	87·050	96·680	86·950			
6th	0	A 51	200	3·498	......	2·5	94·175	89·225	94·175	89·160	......	–2·75	–2·75
						2·0	96·500	86·875	96·540	36·775			
7th	0	A 51	200	3·498	......	2·5	93·980	89·050	93·975	89·050	.... .	–3·45	–3·15
						2·0	96·310	86·710	96·340	86·615			
8th	0	A 51	200	3·497	......	2·5	94·100	89·150	94·095	89·150	......	–3·30	–3·75
						2·0	96·430	86·845	96·475	86·750			
9th	0	A 51	200	3·497	1·0013	2·5	93·950	89·025	93·975	88·985	......	–3·30	–3·30
						2·0	96·325	86.700	96·300	86·600	1·0004		
10th	0	A 51	200	3·497	......	2·5	94·000	89·075	94·000	89·050	......	–2·30	–2·45
						2·0	96·350	86·750	96·350	86·630			
12th	0	A 51	200	3·499	......	2·5	94·150	89·200	94·100	89·150	......	–3·00	–3·30
						2·0	96·475	86·875	96·500	86·760			
13th	0	A 51	200	3·499	......	2·5	94·150	89·240	94·150	89·200	......	–3·00	–3·00
						2·0	96·525	86·910	96·530	86·820			
14th	0	A 51	200	3·499	......	2·5	94·530	89·560	94·560	89·500	......	–3·65	–4·25
						2·0	96·870	87·200	96·870	87·100			
16th	0	A 51	200.	3·499	1·0013	2·5	94·240	89·300	94·240	89·300	1·0004	–3·55	–3·40
						2·0	96·575	87·000	96·600	86·900			
17th	0	A 51	200	3·499	......	2·5	94·400	89·450	94·400	89·400	......	–4·22	
						2·0	96·750	87·150	96·765	87·050			
19th	0	A 51	200	3·498	......	2·5	94·090	89·175	94·100	89·180	......	–3·90	
						2·0	96·430	86·850	96·450	86·790			
20th	0	A 51	200	3·498	......	2·5	94·040	89·100	94·025	89·070	......	–3 60	–3·60
						2·0	96·375	86·780	96·365	86·700			
21st	0	A 51	200	3·498	......	2·5	94·210	89·300	94·215	89·230	......	–3·40	–3·40
						2·0	96·565	86·965	96·575	86·860			
22d	0	A 51	200	3·499	......	2·5	94·225	89·300	94·175	89·250	......	–3·88	–3·88
						2·0	96·525	86·950	96 550	86·850			
23d	0	A 51	200	3·499	1·0013	2·5	94·000	89·050	94·000	89·025	......	–4·10	–4·15
						2·0	96·320	86·750	96·350	86·630	1·0004		
24th	0	A 51	200	3·500	......	2·5	94·110	89·155	94·080	89·160	......	–5·52	
						2·0	96·465	86·850	96·495	86·750			
26th	0	A 51	200	3·499	......	2·5	94·450	89·500	94·415	89·450	......	–4·25	–4·25
						2·0	96·790	86·180	96·785	87·070			
27th	0	A 51	200	3·499	......	2·5	94·395	89·465	94·412	89·425	......	–4·15	–4·15
						2·0	96·750	87·115	96·750	87·025			
28th	0	A 51	200	3·499	......	2·5	94·200	89·250	94·180	89·250	......	–4·52	–4·52
						2·0	96·556	86·925	96·550	86·850			
29th	0	A 51	200	3·499	......	2·5	94·380	89·415	94·365	89·400	......	–4·90	–4·90
						2·0	96·799	87·120	96·700	87·025			
30th	0	A 51	200	3·499	......	2·5	94·100	89·165	94·055	89·150	......	–4·95	–4·85
						2·0	96·435	86·850	96·450	86·720	1·0004		
31st	0	A 51	200	3·499	1·0013	2·5	94·450	89·520	94·450	89·480	......	–4·95	–4·90
						2·0	96·785	87·190	96·765	87·085			
FEBRUARY, 2d	0	A 51	200	3·500	......	2·5	94·540	89·620	94·560	89·530	......	–5·10	–5·15
						2·0	96·900	87·260	96·915	87·170			
3d	0	A 51	200	3·502	......	2·5	94·350	89·400	94·350	89·400	......	–5·40	–5·40
						2·0	96·700	87·100	96·700	87·000			
5th	0	A 51	200	3·502	......	2·5	94·450	89·540	94·450	89·475			
						2·0	86·800	87·205	86·820	87·090		[*]	
6th	0	A 51	200	3·502	1·00126	2·5	94·325	89·400	94·320	89·400	1·00024	37·40	
						2·0	86·685	87·100	96·685	86·995			
7th	0	A 51	200	3·504	......	2·5	94·200	89·290	94 200	89·250	......	38·06	88·07
						2·0	96·540	86·950	96·550	86·850			
9th	0	A 51	200	3·504	......	2·5	94·465	89·580	94·500	89·550	......	38·60	38·41
						2·0	96·325	87·250	96·850	87·175			

[*] Small Horizontal Force newly adjusted.

ABSOLUTE DETERMINATIONS OF HORIZONTAL FORCE, 1846.

Date and hour of Observations.			Vibrations.				Deflections.							
			Magnet vibrated.	No of Vibrations	Time of one Vibration.	Torsion force.	Distances.	Deflected Magnet on				Torison force.	H. F. M. at	
								East Side.		West Side.			Vibration.	Deflection.
								N. Pole E.	N. Pole W.	N. Pole E.	N. Pole W.			
	D.	H.					F.							
FEB.	10th	0	A 51	200	3^{s}·503	......	2·5	94·560	89·680	94·565	89 640	......	39·39	38·72
							2·0	96·930	87·350	96·925	89·250			
	11th	0	A 51	200	3·504	......	2·5	94·750	89·850	94·750	89·800	......	38·75	38·71
							2·0	97·100	87·500	97·100	87·415			
	12th	0	A 51	200	3·504	......	2·5	97·890	92·985	97·860	92·920	......	38·70	38·70
							2·0	100·200	90·650	100·225	90·560			
	13th	0	A 51	200	3·505	......	2·5	97·710	92·820	97·720	92·770	......	38·86	38·79
							2·0	100·060	90·495	100·060	90·390			
	14th	0	A 11	200	3·505	1·00161	2·5	97·940	93·020	97·925	92·980	1·00024	38·65	38·82
							2·0	100·250	90·700	100·275	90·600			
	16th	0	A 51	200	3·507	......	2·5	97·870	92·950	97·825	92·935	......	38·27	38·17
							2·0	100·175	90·635	100·195	90·550			
	17th	0	A 51	200	3·509	......	2·5	97·800	92·880	97·820	92·850	......	38 10	38·25
							2·0	100·140	90·565	100·135	90·470			
	18th	0	A 51	200	3·507	......	2·5	97·880	92·995	97·970	92·960	......	38·51	38·47
							2·0	100·225	90·670	100·235	90·570			
	19th	0	A 51	200	3·507	1·00179	2·5	97·800	92·925	97·795	92·895	1·00028	38·40	38·02
							2·0	100·120	90·587	100·130	90·500			
	19th	17	A 51	200	3·504	......	2·5	97 515	92·610	97·500	92·565	......	38·97	38·95
							2·0	99·870	90·275	99·850	90·100			
	20th	17	A 51	200	3·510	......	2·5	97·795	92·885	97·790	92·850	......	38·98	38·90
							2·0	100·105	90·550	100·120	90·450			
	22d	17	A 51	200	3·505	......	2·5	97·925	92·015	97·070	92·990	......	39·90	39·88
							2·0	100·240	90·675	100·245	90·590			
	23d	17	A 51	200	3·506	......	2·5	97·755	92·850	97·750	92·860	......	39·45	39·40
							2·0	100·090	90·550	100·090	90·480			
	24th	17	A 51	200	3·505	......	2·5	98·000	93·055	97·980	93·040	......	39·10	39·05
							2·0	100·295	90·755	100·325	90·665			
	25th	17	A 51	200	3·506	......	2·5	97·930	93·010	97·900	93·000	......	38·85	38·85
							2·0	100·245	90·700	100·250	90·600			
	26th	17	A 51	200	3·506	1·00157	2·5	97·955	93·050	97·950	93·010	1·00024	38·52	38·48
							2·0	100·290	90·700	100·290	90·612			
	27th	17	A 51	200	3·506	......	2·5	98·100	93·190	98·090	93·180	......	38·85	38·80
							2·0	100·435	90·850	100·420	90·800			
MARCH,	1st	16	A 51	200	3·506	......	2·5	98·060	93·160	98·050	93·130	......	38·40	38·35
							2·0	100·400	90·850	100·405	90·745			
	2d	17	A 51	200	3·508	......	2·5	98·120	93·230	98·100	93 197	......	....	38·50
							2·0	100·450	90·925	100·450	90·820			
	3d	17	A 51	200	3·508	......	2·5	98·240	93·325	98·240	93·310	......	38·51	38·51
							2·0	100·550	91·010	100·575	90·900			
	4th	17	A 51	200	3·508	......	2·5	97·930	93·040	97·925	93·000	......	38·35	38·37
							2·0	100·260	90·720	100·240	90·625			
	5th	17	A 51	200	3·506	1·00124	2·5	98·300	93·410	98·290	93·380	1·00019	38·10	38·02
							2·0	100·635	91·085	100·640	91·000			
	6th	17	A 51	200	3·507	......	2·5	98·370	93·455	98·350	93·420	......	38·20	
							2·0	100·660	91·145	100·670	91·050			
	8th	23	C 4	200	4·499	1·00156	2·4	10·930	5·590	10·925	5·625	1·00150	13 24	13·27
							2·0	12·170	3·822	12·180	3·865			
	12th	0	A 51	200	3·507	......	2·5	98·300	93·390	98·250	93·340	1·00020		
							2·0	100·625	91·050	100·600	90·975			
	13th	1	A 51	200	3·511	......	2·5	98·250	93·400	98·250	93·400	1·00017	37·00	36·14
							2·0	100·625	91·100	100·375	91·025			
	14th	0	A 51	200	3·507	......	2·5	98·225	93·320	98·200	93·300	1·00017	35·70	35·60
							2·0	100·550	90·975	100·550	90·900			
	16th	23	A 15	200	3·512	......	2·5	98·085	93·175	98·085	93·150	......	36·25	
							2·0	100·400	90·855	100·410	90·755			
	18th	0	A 15	200	3·513	......	2·5	98·300	93·425	98·300	93·390	......	35·62	35·62
							2·0	100·625	91·100	100·650	91·000			
	..	23	A 15	200	3·511	......	2·5	98·335	93·450	98·350	93·400	......	36·10	36·05
							2·0	100 655	91·120	100·670	91·025			
	19th	20	A 15	200	3·508	1·00170	2·5	98·115	93·237	98·120	93·190	1·00025	37·30	37·42
							2.0	100.445	90.925	100.440	90.810			
	20th	20	A 15	200	3·509	......	2·5	89·070	93·175	98·050	93·150	......	37·02	37·03
							2.0	100.400	90.850	100.350	90.775			
	22d	21	A 15	200	3·512	......	2·5	97·990	93·085	97·970	93·075	......	36·25	36·10
							2·0	100.285	90.770	100.285	90.685			

ABSOLUTE DETERMINATIONS OF HORIZONTAL FORCE, 1846.

Date and hour of Observations.			VIBRATIONS.				DEFLECTIONS.							
			Magnet vibrated.	No. of Vibrations.	Time of one Vibration.	Torsion force.	Distances.	Deflecting Magnet on				Torsion force.	H. F M. at	
								East Side.		East Side.			Vibration.	Deflection.
	D.	H.					F.	N. Pole E.	N. Pole W.	N. Pole N.	N. Pole W.			
MARCH,	23d	20	A 51	200.	3^{s}·511	......	2·5	97·880	93·000	97·850	92·970	......	35·90	35·95
							2·0	100·177	90·700	100·160	90·580			
	24th	20	A 51	200	3·512	......	2·5	97·610	92·750	97·600	92·740	......	36·65	36·75
							2·0	99·950	90·450	99·930	90·370			
	25th	20	A 51	200	3·512	......	2·5	98·000	93·150	97·980	93·130	......	36·84	36·84
							2·0	100·300	90·845	100·310	90·740			
	26th	20	A 51	200	3·514	......	2·5	97·730	92·850	97·730	92·925	......	36·15	36·05
							2·0	100·050	90·550	100·050	90·450			
	27th	21	A 51	200	3·514	......	2·5	97·865	93·000	97·860	92·975	......	35·84	
							2·0	100·190	90·690	100·195	90·587			
	29th	23	A 51	200	3·516	......	2·5	98·075	93·190	98·050	93·145	......	34·79	34·53
							2·0	100·360	90·855	100·395	90·760			
	30th	23	A 51	200	3·516	......	2·5	98·300	93·512	98·400	93·495	......	34·90	35·30
							2·0	100·732	91·220	100·730	91·115			
	31st	23	A 51	200	3·516	......	2·5	98·000	93·130	98·000	93·090	......	34·97	34·95
							2·0	100·300	90·800	100·310	90·700			
APRIL,	1st	0	A 51	200	3·517	......	2·5	97·880	93·000	97·855	92·950	.....	35·19	35·13
							2·0	100·180	90·690	100·195	90·570			
	2d	0	A 51	200	3·517	......	2·5	97·890	93·012	97·885	92·965	......	35·15	35·15
							2·0	100·210	90·700	100·200	90·600			
	..	17	A 51	200	3·515	......	2·5	98·430	93·545	97·470	93·480	......	36·25	36·55
							2·0	100·765	91·225	100·750	91·125			
	5th	0	A 51	200	3·517	......	2·5	97·900	93·030	97·910	93·000	......	33·75	33·60
							2·0	100·240	90·715	100·205	90·635			
	6th	0	A 51	200	3·523	......	2·5	97·760	92·980	97·855	92·950	......	33·22	33·25
							2·0	100·150	90·660	100·160	90·560			
	7th	0	A 51	200	3·519	......	2·5	97·975	93·100	97·950	93·070	.....	33·35	33·35
							2·0	100·290	90·800	100·260	90·690			
	8th	0	A 51	200	3·518	......	2·5	98·025	93·150	98·025	93·120	......	33·90	33·80
							2·0	100·350	90·835	100·350	90·750			
	9th	0	A 51	200	3·519	......	2·5	98·040	93·150	98·020	93·115	......	34·40	34·38
							2·0	100·345	90·850	100·350	90·760			
	10th	0	A 51	200	3·520	......	2·5	97·800	92·930	97·800	92·880	......	33·64	33·50
							2·0	100·115	90·610	100·175	90·510			
	12th	0	A 51	200	3·522	......	2·5	97·870	93·025	97·865	92·960	......	33·75	33·45
							2·0	100·175	90·700	100·200	90·590			
	13th	0	A 51	200	3·528	......	2·5	98·100	93·150	98·000	93·150	......	33·32	32·94
							2·0	100·400	90·860	100·400	90·825			
	14th	0	A 51	200	3·526	......	2·5	97·900	93·000	97·750	92·850	......	33·40	33·46
							2·0	100·225	90·750	100·240	90·500			
	15th	0	A 51	200	3·528	......	2·5	98·100	93 190	98·100	93·150	......	31·47	31·25
							2·0	100·450	90·925	100·450	90·800			
	16th	0	A 51	200	3·529	......	2·5	98·100	93·175	98·075	93·200	.....	32·12	32·05
							2·0	100·410	90·925	100·450	90·840			
	17th	0	A 51	200	3·527	......	2·5	97·840	92·950	97·800	92·800	......	33·00	32·90
							2·0	100·200	90·600	100·195	90·500			
	19th	0	A 51	200	3·524	......	2·5	98·050	93·200	98·070	93·150	......	32·19	32·17
							2·0	100·375	90·900	100·400	90·800			
	20th	0	A 51	200	3·526	......	2·5	98·200	93·250	98·150	93·250	......	32·16	32·15
							2·0	100·500	91·000	100·500	90·890			
	21st	0	A 51	200	3·528	......	2·5	98·250	93·450	98·350	93·450	......	32·18	
							2·0	100 550	91·190	100·600	91·075			
	22d	0	A 51	200	3·530	......	2·5	97·650	92·740	97·600	92·600	......	32·10	32·04
							2·0	100·000	90·450	10·000	90·350			
	24th	0	A 51	200	3·540	......	2·5	97·950	93·050	97·900	93·000	......	31·50	31·72
							2·0	100·250	90·750	100·250	90·650			
	26th	0	A 51	200	3·539	......	2·5	97·775	93·000	97·825	92·900	......	32·00	31·86
							2·0	100·175	90·675	100·150	90·550			
	27th	0	A 51	200	3·540	......	2·5	98·090	93·200	98·060	93·130	......	31·00	31·15
							2·0	100·400	90·900	100·400	90·800			
	28th	0	A 51	200	3·523	......	2·5	97·850	92·950	97·950	92·950	......	31·60	31·59
							2·0	100·150	90·700	100·150	90·575			
	29th	0	A 51	200	3·535	......	2·5	98·040	93·210	98·080	93·190	......	31·35	31·00
							2·0	100·300	90·900	100·350	90·810			

ABSOLUTE DETERMINATIONS OF HORIZONTAL FORCE, 1846.

Date and Hour of Observation.			VIBRATIONS.				DEFLECTIONS.							
			Magnet vibrated.	No. of Vibrations.	Time of one Vibration.	Torsion force.	Distances.	Deflecting Magnet on				Torsion force.	H. F. M. at	
								East Side.		West Side.			Vibration.	Deflection.
	D.	H.					F.	N. Pole E.	N. Pole W.	N. Pole E.	N. Pole. W.			
APRIL.	30th	0	A 51	200	3^{s}·531	……	2·5	98·060	93·160	98·050	93·150	……	-31·24	-31·10
							2·0	100·350	90·900	100·340	90·800			
MAY.	1st	0	A 51	200	3·530	1·00122	2·5	98·050	93·150	98·050	93·140	1·00019	….	30·50
							2·0	100·340	90·875	100·300	90·750			
	4th	0	A 51	200	3·527	……	2·5	98·175	93·300	98·150	93·275	……	28·94	28·85
							2·0	100 450	91·000	100·450	90·900			
	7th	0	A 51	200	3·530	……	2·5	98·495	93·620	98·475	93·590	……	29·35	29·24
							2·0	100·770	91·350	100·785	91·240			
	8th	0	A 51	200	3·530	……	2·5	98·290	93·440	98·300	93·400	……	….	28·77
							2·0	100·580	91·140	100·600	90·040			
	9th	0	A 51	200	3·531	……	2·5	98·380	93·540	98·400	93·480	……	28·90	28·90
							2·0	100·680	91·220	100·700	91·140			
	11th	0	A 51	200	3·531	……	2·5	98·370	93·495	98·390	93·440	……	28·60	28·49
							2·0	100·670	91·180	100·685	91·085			
	12th	0	A 51	200	3·538	……	2·5	98·175	93·280	98·155	93·250	……	25·98	
							2·0	100·480	90·975	100·490	90·900			
	13th	0	A 51	200	3·540	……	2·5	98·395	93·525	98·400	93·470	……	27·05	26·85
							2·0	100·650	91·250	100·675	91·130			
	14th	0	A 51	200	3·535	……	2·5	98·345	93·500	98·355	93·455	……	27·76	27·58
							2·0	100·650	91·200	100·650	91·110			
	15th	0	A 51	200	3·543	1·00113	2·5	98·200	93·360	98·190	93·340	1·00019	28·00	27·83
							2·0	100·490	91·090	100·512	90·985			
	16th	0	A 51	200	3·535	……	2·5	98·230	93·420	98·225	93·375	……	27·90	27·89
							2·0	100·540	91·140	100·540	91·045			
	18th	0	A 51	200	3·535	……	2·5	98·220	93·400	98·120	93·390	……	27·98	28·00
							2·0	100·505	91·125	100·520	91·020			
	19th	0	A 51	200	3·539	……	2·5	98·490	93·650	98·450	93·620	……	27·30	27·10
							2·0	100·750	91.355	100·785	91·285			
	20th	0	A 51	200	3·540	……	2·5	98·350	93·530	98·340	93·495	……	26·37	26·50
							2·0	100·650	91·250	100·650	91·145			
	21st	0	A 51	200	3·541	……	2·5	98·450	93·650	98·495	93·615	……	26·12	26·18
							2·0	100·750	91·365	100·790	91·280			
	22nd	0	A 51	200	3·543	……	2·5	98·320	93·500	98·340	93·440	1·00019	26·15	26·02
							2·0	100·600	91·225	100 620	91·125			
	22nd	21	A 51	200	3·543	1·00120	2·5	97·950	93·115	97·950	93·100	……	27·03	26·95
							2·0	100·240	90·890	100·235	90·760			
	25th	0	A 51	200	3·546	……	2·5	98·490	93·660	98·450	93·615	……	24·90	24·82
							2·0	100·750	91·400	100·750	91·295			
	26th	0	A 51	200	3·546	……	2 5	98·500	93·700	98·510	93·670	……	25·02	24·99
							2·0	100·775	91·435	100·800	91·330			
	27th	0	A 51	200	3·546	……	2·5	98·350	93·550	98·395	93·520	……	24·46	24·37
							2·0	100·605	91·290	100·630	91·200			
	28th	0	A 51	200	3·552	……	2·5	98·350	93·540	98·350	93·495	……	24·65	24·57
							2·0	100·625	91·285	100·630	91·160			
JUNE.	2nd	0	C 4	200	4·449	……	2·4	10·815	6·050	10·775	6·050	……	….	13·45
							2·0	12·550	4·310	12·495	4·325			
	2nd	23	C 4	200	4·449	……	2·4	10·645	5·875	10·630	5·880	……	13·14	13·14
							2·0	12·380	4·135	12·340	4·150			
	5th	1	C 4	200	4·452	1·00113	2·4	10·640	5·870	10·610	5·870	1·00208	12·90	13·00
							2·0	12·370	4·140	12·315	4·140			
	5th	23	C 4	200	4·451	……	2·4	10·210	5·440	10·160	5·450	……	13·65	13·55
							2·0	11·920	3·740	11·880	3·730			
	7th	1	C 4	200	4·451	……	2·4	10·195	5·435	10·180	5·440	……	13·68	13·70
							2·0	11·940	3·725	11·885	3·710			
	9th	0	C 4	200	4·450	……	2·4	10·180	5·485	10·160	5·485	……	13·62	
							2·0	11·920	3·705	11·880	3·695			
	10th	1	C 4	200	4·450	……	2·4	10·135	5·380	10·120	5·365	……	….	14·02
							2·0	11·855	3·665	11·835	3·655			
	11th	0	C 4	200	4·447	……	2·4	10·225	5·465	10·205	5·455	……	14·83	14·70
							2·0	11·955	3·755	11·940	3·745			
	12th	1	C 4	200	4·450	……	2·4	10·185	5·425	10·165	5·410	……	….	14·86
							2·0	11·905	3·720	11·900	3·675			
	13th	1	C 4	200	4·443	1·00113	2·4	10·180	5·470	10·190	5·445	1·00141	16·50	
							2·0	11·910	3·745	11·900	3·720			

ABSOLUTE DETERMINATIONS OF HORIZOTNAL FORCE, 1846.

Date and hour of Observation.			Vibrations.				Deflections.							
			Magnet vibrated.	No. of Vibrations.	Time of one Vibration	Torsion force.	Distances.	Deflecting Magnet on East Side. N. Pole. E	Deflecting Magnet on East Side. N. Pole W	Deflecting Magnet on West Side. N Pole. E	Deflecting Magnet on West Side. N.Pole. W.	Torsion force.	H. F. M. at Vibration.	H. F. M. at Deflection.
	D.	H.					F.							
JUNE.	15th	1	C 4	200	4s·452	......	2·4	10·235	5·495	10·175	5·480	......	13·66	13·75
							2·0	11·960	3·775	11 950	3·740			
	16th	0	C 4	200	4·453	......	2·4	10·190	5·440	10·175	5·435	......	13·77	13·67
							2·0	11·925	3·715	11·880	3·710			
	17th	0	C 4	200	4·455	......	2·4	10·165	5·400	10·150	5·400	......	14·70	14·85
							2·0	11·890	3·690	11·850	3·690			
	19th*	22	C 4	200	4·537	1·00241	2·4	9·630	4·920	9·650	4·870	......	14·51	14·31
							2·0	11·520	3·230	11·370	3·130			
	23rd	0	C 4	200	4·540	......	2·4	9·660	4·960	9·670	4 920	1·00337	14·09	14·14
							2·0	11·355	3·255	11·400	3·180			
	24th	0	C 4	200	4·538	......	2·4	10·150	5·415	10·130	5·350	......	14·56	14·40
							2·0	11·805	3·720	3·620	3·620			
	25th	0	C 4	200	4·536	......	2·4	10·085	5·395	10·130	5·350	......	....	14·58
							2·0	11·785	3·700	11·845	3·610			
	26th	0	C 4	200	4·536	......	2·4	10·050	5·365	10·070	5·315	......	15·26	15·20
							2·0	11·740	3·680	11·800	3·570			
	27th	0	C 4	200	4·537	......	2·4	9·970	5·280	10·000	5·235	......	15·30	15·39
							2·0	11·665	3·595	11·720	3·480			
	29th	0	C 4	200	4·538	......	2·4	10·070	5·370	9·940	5·345	......	14·67	14 55
							2·0	11·770	3·690	11·875	3·600			
	30th	1	C 4	200	4·540	......	2·4	9.930	5·235	9·935	5·190	......	14·33	14·41
							2·0	11·605	3·540	11·665	3·435			
JULY.	1st	0	C 4	200	4·538	......	2·4	10·045	5·350	10·060	5·525	......	15·10	15·08
							2·0	11·740	3·665	11·790	3·550			
	2nd	0	C 4	200	4·538	......	2·4	10·100	5·390	10·125	5·340	......	14·40	14·48
							2·0	11·790	3·700	11·840	3·605			
	3rd	0	C 4	200	4·540	......	2·4	10·040	5·355	10·070	5·310	......	14·05	14·01
							2·0	11·745	3·670	11·800	3·570			
	3rd	23	C 4	200	4·542	1·00245	2·4	9·950	5·045	9·965	5·205	1·00272	13·90	14·22
							2·0	11·650	3·580	11·700	3·470			
	6th	0	C 4	200	4·543	......	2·4	10·005	5·315	10·030	5·270	......	13·66	13·95
							2·0	11·715	3·630	11·755	3·545			
	7th	0	C 4	200	5·541	......	2·4	9·975	5·295	10·015	5·250	......	13·95	13·76
							2·0	11·680	3·605	11·715	3·505			
	8th	0	C 4	200	4·542	......	2·4	10·020	5·335	10·040	5·180	......	13·94	13·94
							2·0	11·720	3·640	11·775	3·545			
	9th	0	C 4	200	4·543	......	2·4	10·030	5·330	10·040	5·300	......	14·25	14·25
							2·0	11·715	3·655	11·755	3·565			
	10th	0	C 4	200	4·544	......	2·4	10·035	5·335	10·045	5·300	......	14·00	13·90
							2·0	11·730	3·650	11·790	3·570			
	11th	0	C 4	200	4·541	......	2·4	9·835	5·155	9·850	5·110	......	15·23	15·60
							2·0	11·530	3·460	11·570	3·380			
	13th	0	C 4	200	5·543	......	2·4	9·985	5·295	10·015	5·255	......	14·12	14·01
							2·0	11·685	3·615	11·745	3·515			
	14th	0	C 4	200	4·552	......	2·4	9·850	5·200	9·890	5·155	......	....	14·71
							2 0	11·560	3·520	11·625	3·410			
	15th	0	C 4	200	4·550	......	2·4	10·080	5·425	10·110	5·380	......	15·00	14·89
							2·0	11·760	3·755	11·815	3·650			
	16th	0	C 4	200	4·556	......	2·4	10·135	5 455	10·150	5·435	......	14·88	15·20
							2·0	11·815	3·780	11·860	3·685			
	17th	0	C 4	200	4·553	1·00250	2·4	9·965	5·320	10·000	5·250	1·00326	15·64	15·60
							2·0	11·670	3·650	11·725	3·525			
	17th	23	C 4	200	4·552	......	2·4	9·940	5·285	9·950	5·230	......	....	15·75
							2·0	11·615	3·615	11·690	3·495			
	20th	0	C 4	200	4·553	......	2·4	10·005	5·355	10 035	5·295	......	....	15·78
							2·0	11·695	3·675	11·750	3·560			
	21th	0	C 4	200	4·555	......	2.4	10·075	5·370	10·050	5·310	......	15·67	15·72
							2·0	11·705	3·695	11·770	3·585			
	22th	0	C 4	200	4·557	......	2·4	9·935	5·260	9·980	5·210	......	15·70	15·68
							2·0	11·635	3·595	11·710	3·465			
	23th	0	C 4	200	4·548	......	2·4	9·945	5·265	9·970	5·215	......	14·90	14·87
							2·0	11·630	3·595	11·695	3·470			
	24th	0	C 4	200	4·545	....	2·4	9·900	5·240	9·940	5·170	......	16·35	16·32
							2·0	11·595	3·555	11·665	3·440			

* A new thread of 2 fibers, hung in the suspension apparatus of the box in which the Magnet is vibrated.

ABSOLUTE DETERMINATIONS OF HORIZOTAL FORCE, 1846.

Date and Hour of Observation.			Vibrations.				Deflections.							
			Magnet vibrated.	No. of Vibrations.	Time of one Vibration.	Torsion force.	Distances.	Deflecting Magnet on				Torsion force.	H. F. M. at	
								East Side.		West Side.			Vibration.	Deflection.
								N. Pole. E.	N. Pole. W.	N. Pole E.	N. Pole. W.			
	D.	H.					F.							
JULY.	24th	23	C 4	200	4^{s}·544	......	2·4	10·010	5·345	10·050	5·285	......	16·45	16·42
							2·0	11·695	3·675	11·770	3·540			
	26th	0	C 4	200	4 547	......	2·4	9·880	5·245	9·935	5·185	......	15·95	15·87
							2·0	11·595	3·550	11·650	3·450			
	28th	1	C 4	200	4·545	......	2·4	9·930	5·270	9·970	5·220	......	....	
							2·0	11·625	3·595	11·695	3·470			
	29th	0	C 4	200	4·545	......	2·4	9·930	5 265	9·970	5·210	......	16·10	16·04
							2·0	11·625	3·590	11·700	3·475			
	30th	0	C 4	200	4·545	......	2·4	9·970	5·300	10·000	5·250	......	....	15·36
							2·0	11·660	3·615	11·730	3·515			
	31st	0	C 4	200	4·550	......	2·4	9·905	5·260	9·940	5·205	......	15·09	14·99
							2·0	11·610	3·560	11·665	3·450			
AUGUST.	1st	0	C 4	200	4·550	......	2·4	9·835	5·175	9·850	5·120	......	15·75	15·69
							2·0	11·530	3·490	11·595	3·375			
	3rd	0	C 4	200	4·550	......	2·4	9·885	5·225	9·915	5·160	......	....	
							2·0	11·575	3·540	11·635	3·430			
	4th	0	C 4	200	4·557	......	2·4	9·905	5·250	9·935	5·205	......	15·09	15·07
							2·0	11·600	3·580	11·650	3·480			
	5th	0	C 4	200	4·555	......	2·4	10·025	5·355	10·030	5·315	......	....	15·50
							2·0	11·690	3·670	11·750	3·590			
	6th	0	C 4	200	4·557	1·0025	2·4	9·970	5·320	10·100	5·290	1·0030	15·47	15·54
							2·0	11·655	5·650	11·700	3·550			
	8th	0	C 4	200	4·560	......	2·4	10·015	5·345	10·035	5·305	......	13·80	14·02
							2·0	11·710	3·660	11·755	3·560			
	10th	0	C 4	200	4·558	......	2·4	10·005	5·345	10·040	5·300	......	14·55	14·56
							2·0	11·700	3·660	11·745	3·570			
	11th	0	C 4	200	4·558	......	2·4	10·005	5·345	10·025	5·295	......	15·00	14·88
							2·0	11·695	3 660	11·740	3·580			
	12th	0	C 4	200	4·562	......	2·4	9·960	5·305	10·000	5·260	......	15·22	15·33
							2·0	11·655	3·630	11·705	3·525			
	13th	0	C 4	200	4·560	......	2·4	9·985	5·315	10·015	5·275	......	14·25	14·10
							2·0	11·675	3·650	11·740	3·545			
	14th	0	C 4	200	4·559	......	2·4	10·010	5·355	10·015	5·320	......	14·92	14·87
							2·0	11·705	3·680	11·750	3·595			
	14th	22	C 4	200	4·555	......	2·4	10·020	5·360	10·050	5·305	......	15·52	15·60
							2·0	11·715	3·685	11·770	3·580			
	17th	0	C 4	200	4·558	......	2·4	10·000	5·335	10·005	5·295	......	15·30	15·30
							2·0	11·695	3·655	11·725	3·570			
	18th	0	C 4	200	4·558	......	2·4	10·030	5·360	10·040	5·320	1.0030	15·31	15·25
							2·0	11·715	3·675	11·745	3·605			
	19th	0	C 4	200	4·557	......	2 4	9·975	5·300	9·970	5·260	......	15·10	
							2 0	11·655	3·605	11·690	3·580			
	20th	0	C 4	200	4·553	......	2·4	9·950	5·295	9·965	5·252	......	15·47	15·46
							2·0	11·650	3·610	11·680	3·530			
	21st	0	C 4	200	4·559	......	2·4	10·025	5·365	10·045	5·335	......	15·25	15·10
							2·0	11·630	3·675	11·745	3·620			
	21st	22	C 4	200	4·558	......	2·4	9·890	5·225	9·905	5·200	......	15·87	16·00
							2·0	11·600	3·540	11·620	3·475			
	24th	0	C 4	200	4·559	......	2·4	10·025	5·355	10·035	5·335	......	16·70	
							2·0	11·710	3·685	11·740	3·615			
	25th	0	C 4	200	4·563	......	2·4	10·485	5·825	10·500	5·785	......	14·62	14·48
							2·0	12·175	4·135	12·205	4·070			
	26th	0	C 4	200	4·560	......	2·4	10·055	5·390	10·075	5·350	......	15·35	15·35
							2·0	11·760	3·700	11·765	3·65			
	27th	0	C 4	200	4·560	......	2·4	10·015	5·350	10·035	5·310	......	15·21	15·16
							2·0	11·705	3·660	11·730	3·600			
	28th	0	C 4	200	4·561	......	2·4	9·950	5·250	9·955	5·250	......	15·25	15·29
							2·0	11·640	3·595	11·665	3 545			
	28th	22	C 4	200	4·561	......	2·4	9·880	5·215	9·895	5·185	......	14·90	14·90
							2·0	11·570	3·545	11·600	3·465			
	31st	0	C 4	200	4·558	......	2·4	9·945	5·260	9·945	5·240	......	15·82	15·70
							2·0	11·640	3·590	11·650	3·515			
SEPTEMBER,	1st	0	C 4	200	4·560	......	2·4	9·905	5·240	9·865	5·205			
							2·0	11·600	3·565	11·630	3·490			

ABSOLUTE DETERMINATIONS OF HORIZONTAL FORCE, 1846.

		Vibrations.				Deflections.							
Date and hour of Observation.		Magnet vibrated.	No. of Vibrations.	Time of one Vibration.	Tórsion force.	Distances.	Deflecting Magnet on				Torsion force.	H. F. M. at	
							East Side.		East Side.			Vibration.	Deflection.
							N. Pole E.	N. Pole W.	N. Pole E.	N. Pole W.			
D.	H.					F.							
SEPTEMBER. 3d	0	C 4	200	4^{s}·561	......	2·4	9·955	5·300	9·960	5·265	......	15·52	15·46
						2·0	11·655	3·620	11·675	3·550			
4th	0	C 4	200	4·566	......	2·4	9·940	5·270	9·950	5·240	......	13·85	14·10
						2·0	11·640	3·590	11·655	3·530			
5th	0	C 4	200	4·565	......	2·4	9·925	5·260	9·940	5·225	......	14·15	14·12
						2·0	11·625	3 600	11·650	3·510			
7th	0	C 4	200	4·563	......	2·4	9·900	5·240	9·910	5·200	......	14·95	15·92
						2·0	11·600	3·550	11·625	3·485			
8th	0	C 4	200	4·565	......	2·4	9·960	5·300	9·970	5·265	......	14·05	14·21
						2·0	11·655	3·615	11·680	3·550			
9th	0	C 4	200	4·565	......	2·4	9·985	5·320	9·995	5·285	......	14·37	14·50
						2·0	11·680	3·640	11·700	3·555			
10th	0	C 4	200	4·562	......	2·4	9·990	5·340	10·010	5·306	......	15·19	15·15
						2·0	11·675	3·660	11·730	3·565			
11th	0	C 4	200	4·568	......	2·4	9·970	5·310	9·790	5·255	......	13·15	12·80
						2·0	11·650	3·640	11·720	3·535			
12th	0	C 4	200	4·563	......	2·4	9·975	5·320	10·000	5·285	......	14·92	15·27
						2·0	11·680	3·660	11·720	3·555			
14th	0	C 4	200	4·564	......	2·4	9·905	5·250	9·930	5·210	......	14·51	14·78
						2·0	11·600	3·580	11·855	3·475			
15th	0	C 4	200	4·564	......	2·4	9·915	5·260	9·930	5·225	......	14·84	14·52
						2·0	11·600	3·590	11·655	3·495			
16th	0	C 4	200	4·558	......	2·4	9·875	5·235	9·895	5·185	......	16·20	16·15
						2·0	11·565	3·560	11·615	3·450			
17th	0	C 4	200	4·560	......	2·4	9·980	5·330	10·010	5·280	......	15·50	15·53
						2·0	11·655	3·650	11·725	3·545			
18th	1	C 4	200.	4·562	......	2·4	10·005	5·370	10·045	5·320	......	15·37	15·50
						2·0	11·700	3·700	11·750	3·600			
18th	22	C 4	200	4·562	.. ...	2·4	9·945	5·295	9·960	5·250	......	16·12	16·25
						2·0	11·640	3·610	11·665	3·530			
21st	0	C 4	200	4·557	......	2·4	10·005	5·335	10·015	5 290	......	16·72	16·82
						2·0	11·695	3·650	11·730	3·560			
22d	0	C 4	200	4·571	......	2·4	10·100	5·430	10·120	5·390	......	12·05	11·67
						2·0	11·800	3·725	11·825	3·670			
23d	1	C 4	200	4·562	......	2·4	9·945	5·285	9·940	5·245	......	....	15·02
						2·0	11·645	3.590	11·665	3·545			
24th	0	C 4	200	4·566	......	2·4	9·970	5·325	9·975	5·290	......	15·00	15·03
						2·0	11·665	3·635	11·685	3·570			
25th	0	C 4	200	4·564	......	2·4	10·000	5·350	10·025	5·315	......	15·65	15·77
						2·0	11·690	3·665	11·710	3·600			
26th	0	C 4	200	4·565	......	2·4	9·980	5·305	9·980	5·295	......	15·49	15·40
						2·0	11·660	3·635	11·680	3·560			
27th	0	C 4	200	4·563	......	2·4	9·980	5·325	9·990	5·300	......	....	15·60
						2·0	11·670	3·625	11·680	3·575			
29th	0	C 4	200	4·563	......	2·4	9·975	5·330	9·980	5·290	......	15·84	15·97
						2·0	11·675	3·635	11·680	3·570			
30th	0	C 4	200	4·564	......	2·4	9·950	5·285	9·950	5·265	......	15·88	15·83
						2·0	11·650	3·625	11·670	3·540			
OCTOBER, 1st	0	C 4	200	4·565	......	2·4	9·900	5·300	9·900	5·250	......	16·10	16·30
						2·0	11·610	3·625	11·650	3·575			
2d	0	C 4	200	4·565	......	2·4	9·910	5·250	9·900	5·210	......	15·52	15·56
						2·0	11·600	3·555	11·630	3·500			
3d	0	C 4	200	4·565	......	2·4	9·880	5·230	9·900	5·195	......	14·99	15·00
						2·0	11·580	3·560	11·605	3·465			
5th	0	C 4	200	4·566	......	2·4	9·930	5·275	9·940	5·230	......	15·44	15·44
						2.0	11·610	3·600	11·645	3·515			
6th	0	C 4	200	4·568	......	2·4	10·050	5·395	10·065	5·360	......	14·97	15·00
						2·0	11·730	3·700	11·770	3·635			
7th	0	C 4	200	4·568	......	2·4	9·865	5·220	9·890	5·190	......	14·52	15·10
						2·0	11·555	3·530	11·600	3·455			
8th	0	C 4	200	4·574	......	2·4	9·915	5·255	9·940	5·249	......	13·43	13·43
						2·0	11·595	3·575	11·645	3·495			
10th	0	C 4	200.	4·569	......	2·4	9·940	5·285	9·950	5·240	......	15·05	15·17
						2·0	11·635	3·595	11·655	3 530			

ABSOLUTE DETERMINATIONS OF HORIZONTAL FORCE, 1846.

Date and hour of Observation.		Vibrations.				Deflections.							
		Magnet vibrated.	No. of Vibrations.	Time of one Vibration.	Torsion force.	Distances.	Deflecting Magnet on East Side.		West Side.		Torison force.	H. F. M. at	
D.	H.					F.	N. Pole E.	N. Pole W.	N. Pole E.	N. Pole W.		Vibration.	Deflection.
OCTOBER, 10th	23	C 4	200	4^s·570	......	2·4	9·880	5·220	9·890	5·195	.....	14·02	14·12
						2·0	11·565	3·545	11·610	3·435			
13th	0	C 4	200	4·569	......	2·4	9·950	5·260	9·765	5·255	......	15·12	15·24
						2·0	11·650	3·595	11·650	3·535			
14th	0	C 4	200	4·569	......	2·4	10·330	5·685	10·355	5·645	......	15·57	15·65
						2·0	12·025	4·015	12·060	3·905			
14th	23	C 4	200	4·568	......	2·4	10·015	5·275	10·050	5·315	......	15·10	15·02
						2·0	11·700	3·700	11·750	3·600			
15th	23	C 4	200	4·569	......	2·4	10·000	5·350	10·025	5·300	......	15·37	15·40
						2·0	11·690	3·650	11·740	3·560			
18th	0	C 4	200	4·570	......	2·4	9·995	5·350	10·020	5·300	......	16·00	15·98
						2·0	11·650	3·685	11·755	3·550			
19th	0	C 4	200	4·570	......	2·4	10·165	5·540	10·200	5·490	......	......	15·30
						2·0	11·800	3·900	11·900	3·725			
21st	1	C 4	200	4·571	. ....	2·4	11·040	6·400	11·055	6·350	......	15·33	15·38
						2·0	12·510	4·725	12·765	4·630			
21st	23	C 4	200	4·566	......	2·4	9·980	5·350	10·000	5·300	......	15·42	15·19
						2·0	11·690	3·650	11·725	3·535			
23d	0	C 4	200	4·567	......	2·4	9·970	5·320	9·990	5·275	......	15·45	15·55
						2·0	11·640	3·635	11·700	3·540			
23d	20	C 4	200	4·567	......	2·4	9·950	5·305	9·970	5·260	......	16·34	16·46
						2·0	11·635	5·630	11·690	3·530			
26th	0	C 4	200	4·567	......	2·4	10·010	5 350	10·140	5·325	......	15·98	16·04
						2·0	11·700	3·700	11·745	3·600			
27th	0	C 4	200	4·569	......	2·4	9·965	5·300	9·970	5·245	......	16·20	16·27
						2·0	11·625	3·635	11·690	3·530			
28th	0	C 4	200	4·570	......	2·4	9·925	5·285	9·950	5·240	......	16·25	16·20
						2·0	11·605	3·605	11·640	3·515			
29th	0	C 4	200	4·570	......	2·4	9·950	5·300	9·965	5·245	......	15·77	15·80
						2·0	11·630	3·620	11·665	3·530			
30th	23	C 4	200	4·571	......	2·4	9·985	5·350	10·000	5·275	......	16·30	16·25
						2·0	11·650	3·650	11·700	3·550			
NOVEMBER, 2d	1	C 4	200	4·573	......	2·4	9·895	5·250	9·910	5·210	......	15·25	15·42
						2·0	11·585	3·560	11·615	3·490			
2d	23	C 4	200	4·570	......	2·4	11·090	6·450	11·100	6·400	......	15·63	15·75
						2·0	12·755	4·755	12·815	4·660			
4th	1	C 4	200	4·570	......	2·4	9·695	5·055	9·730	5·015	......	16·03	16·01
						2·0	11·390	3·370	11·415	3·290			
18th	23	C 4	200	4·574	1·0033	2·4	10·430	5·765	10·445	5·750	1·0037	16·20	16·25
						2·0	12·100	4·075	12·130	4·030			
19th	23	C 4	2 0	4·571	......	2·4	11·350	6·735	11·355	6·690	......	16·70	16·73
						2·0	13·020	5·070	13·045	4·980			
21st	0	C 4	200	4·573	......	2·4	10·270	5·640	10·275	5·600	......	16·85	16·77
						2·0	11·950	3·960	11·980	3·875			
22d	23	C 4	200	4·569	.....	2·4	9·815	5·190	11·825	5·155	......	18·40	18·30
						2·0	11·490	3·530	11·530	3·450			
23d	23	C 4	200	4·570	......	2·4	9·800	5·190	9·815	5·140	......	18·34	18·25
						2·0	11·485	3·520	11·505	3·445			
24th	23	C 4	200	4·570	......	2·4	9·815	5·200	9·825	5·160	......	18·55	18·69
						2·0	11·500	3·530	11·520	3·450			
25th	23	C 4	....	......	......	2·4	9·805	5·190	9·820	5·155	......	16·83	
						2·0	11·500	3·535	11·530	3·450			
26th	23	C 4	200	4·576	......	2·4	9·775	5·145	9·785	5·105	......	......	16·65
						2·0	11·450	3·475	11·470	3·400			
28th	23	C 4	200	4·576	......	2·4	9·825	5·215	9·840	5·190	......	16·71	16·60
						2·0	11·510	3·545	11·530	3·485			
29th	23	C 4	200	4·575	......	2·4	9·785	5·170	9·795	5·135	......	16·95	17·08
						2·0	11·465	3·500	11·685	3·440			
DECEMBER, 1st	18	C 4	200	4·574	......	2·4	9·660	5·110	9·675	5·090	......	17·80	17·80
						2·0	11·350	3·440	11·400	3·400			
3d	0	C 4	200	4·577	......	2·4	9·790	5·165	9·785	5·170	......	16·85	16·87
						2·0	11·460	3·485	11·485	3·420			
3d	19	C 4	200	4·574	......	2·4	9·805	5·195	9·820	5·150	......	18·22	18·09
						2·0	11·490	3·525	11·505	3·440			

ABSOLUTE DETERMINATIONS OF HORIZONTAL FORCE, 1846.

Date and hour of Observation.		Vibrations.				Deflections.							
		Magnet vibrated.	No. of Vibrations.	Time of one Vibration.	Torsion force.	Distances.	Deflecting Magnet on				Torsion force.	H. F. M. at	
							East Side.		West Side.			Vibration	Deflection
D.	H.					F.	N. Pole E.	N. Pole W.	N. Pole E.	N. Pole W.			
December, 4th	20	C 4	200	4^{s}·572	……	2·4	9·880	5·265	9·895	5·230	……	18·15	18·13
						2·0	11·570	3·600	11·595	3·515			
6th	20	C 4	200	4·570	……	2·4	9·810	5·200	9·820	5·185	……	18·77	18·70
						2·0	11·510	3·535	11·525	3·460			
7th	19	C 4	200	4·570	……	2·4	9·820	5·210	9·830	5·170	……	18·35	18·5
						2·0	11·490	3·545	11·535	3·460			
8th	23	C 4	200	4·575	……	2·4	10·110	5·505	10·125	5·480	……	……	17·12
						2·0	11·795	3·845	11·820	3·765			
9th	19	C 4	200	4·577	……	2·4	10·050	5·405	10·055	5·390	……	……	17·0
						2·0	11·720	3·755	11·745	3·690			
10th	19	C 4	200	4·575	……	2·4	9·850	5·220	9·850	5·200	……	17·42	17·55
						2·0	11·530	3·575	11·550	3·495			
13th	19	A 51	200	3·600	……	2·3	33·240	27·320	33·250	27·350	……	10·95	10·80
						2·0	34·740	25·810	34·800	25·815			
14th	19	A 51	200	3·588	……	2·4	32·980	27·770	33·000	27·800	……	10·55	10·75
						2·0	34·850	25·900	34·870	25·910			
15th	19	A 51	200	3·600	……	2·4	32·615	27·425	32·590	27·500	……	10·80	10·90
						2·0	34·520	25·550	34·450	25·550			
16th	19	A 51	200	3·600	……	2·4	32·550	27·350	32·530	27·290	……	10·97	10·92
						2·0	34·430	25·460	34·390	25·410			
17th	19	A 51	200	3·603	……	2·4	32·400	27·180	32·335	27·160	……	11·70	
						2·0	34·250	25·300	34·180	25·280			
18th	19	A 51	200	3·606	……	2·4	32·560	27·350	32·550	27·325	……	11·30	11·25
						2·0	34·460	25·460	34·400	25·420			
20th	19	A 51	200	3·605	……	2·4	32·340	27·170	32·330	27·190	……	11·44	11·44
						2·0	34·230	25·270	34·200	25·250			
21st	19	A 51	200	3·610	……	2·4	32·415	27·240	32·510	27·200	……	10·45	10·34
						2·0	34·330	35·385	34·310	25·320			
22d	19	A 51	200	3·606	……	2·4	32·605	27·450	32·590	27·430	……	10·30	10·17
						2·0	34·500	25·560	34·500	25·540			
23d	19	A 51	200	3·606	……	2·4	32·500	27·300	32·450	27·270	……	9·25	9·17
						2·0	34·350	25·410	34·330	25·400			
24th	19	A 51	200	3·607	……	2·4	32·550	27·360	32·510	27·340	……	9·90	9·79
						2·0	34·420	25·450	34·385	25·450			
25th	19	A 51	200	3·604	……	2·4	32·360	27·160	32·325	27·185	……	10·14	10·16
						2·0	34·250	25·300	34·200	25·285			
27th	19	A 51	200	3·607	……	2·4	32·600	27·430	32·570	27·380	……	9·87	9·85
						2·0	34·500	25·550	34·450	25·500			
28th	19	A 51	200	3·608	……	2·4	32·900	27·720	32·850	27·710	……	9·19	9·13
						2·0	34·825	25·820	34·710	25·800			
29th	19	A 51	200	3·646	……	2·4	32·740	27·675	32·700	27·630	……	9·86	
						2·0	34·570	25·800	34·545	25·790			
30th	19	A 51	200	3·648	……	2·4	32·750	27·660	32·790	27·705	……	9·60	9·54
						2·0	34·650	25·850	34·625	25·820			
31st	19	A 51	200	3·641	……	2·4	32·650	27·370	32·610	27·550	……	10·22	10·25
						2·0	34·500	25·750	34·450	25·700			

ADDITIONAL OBSERVATIONS DISTURBANCE DAYS, 1846.

Date and Gottingen Mean Time.	Declination Megnetometer.		Horizontal Force Magnetometer.		Thermometer of H. F. Magnetometer.		Vertical Force Magnetometer.	
	Large.	Small.	Large.	Small.	Large.	Small.	Reading.	Therm.
	At full time.	5m. after full time.	2m. after full time.	4m. after full time.	2m. after time.	4m. after time.	2m. before full time.	
D. H. M. S.								
Jan. 5 17 15 0	13°·219	......	27·350	−1·600	78°·0	75°·0	+3·15·00	
5 17 30 0	12·995	......	27·350	−1·650	78·0	75·1	+3·05·25	
5 17 45 0	13·115	......	27·380	−1·700	78·5	75·4	+2·41·50	
5 18 00 0	13·013	−6°·50	27·400	−1·700	78·8	75·6	+2·35·15	77°·9
7 20 15 0	14·317	......	26·305	−4·000	82·0	79·2	+1·37·15	
7 20 30 0	14·420	......	26·195	−4·100	82·0	79·8	+2·05·00	
7 20 45 0	14·420	......	26·040	−4·250	82·2	79·8	+2·05·00	
7 21 00 0	14·317	−6·40	25·990	−4·160	82·3	80·0	+1·30·35	80·7
7 21 15 0	14·249	......	25·910	−4·150	82·3	80·2	+1·30·35	
7 21 30 0	14·592	......	25·912	−4·100	82·3	80·3	+1·44·70	
7 21 45 0	14·351	......	25·870	−4·100	82·5	80·5	+1·44·70	
7 22 00 0	14·557	−6·24	25·797	−4·150	82·8	80·7	+1·48·20	81·5
7 22 15 0	14·523	......	25·757	−4·150	82·9	80·8	+1·48·20	
7 22 30 0	14·660	......	26·010	−3·700	83·0	81·0	+2·03·55	
9 9 00 0	13·917	−7·28	27·027	+0·050	75·9	72·4	+2·06·45	75·9
9 9 15 0	......	......	27·025	+0·025	75·9	72·0		
9 9 30 0	......	......	26·980	+0·020	75·9	72·0		
9 9 45 0	......	......	26·985	+0·022	75·8	72·0		
9 10 00 0	13·871	−7·54	27·025	+0·035	75·8	71·9	+1·40·05	75·6
9 10 15 0	......	......	27·057	+0·080	75·8	71·8		
9 10 30 0	......	......	27·025	+0·950	75·7	72·0		
9 10 45 0	......	......	27·045	+0·500	75·4	72·0		
9 11 00 0	13·544	−7·54	27·047	+0·020	75·3	71·6	+1·41·35	75·2
9 11 15 0	......	......	27·155	+0·000	75·2	71·1		
9 11 30 0	......	......	27·190	+0·050	75·2	71·0		
9 11 45 0	......	......	27·180	+0·080	75·0	71·0		
9 12 00 0	13·030	−8·06	27·525	+0·125	74·8	70·8	+0·31·90	74·9
9 12 15 0	......	......	27·242	+0·125	74·8	70·5		
9 12 30 0	......	......	27·330	+0·200	74·7	70·5		
9 12 45 0	......	......	27·322	+0·200	74·2	70·2		
9 13 00 0	13·389	−8·06	27·335	+0·300	74·0	69·6	+1·30·70	74·5
9 13 15 0	......	......	27·350	+0·300	73·8	69·0		
9 13 30 0	......	......	27·500	+0·290	73·7	68·8		
9 13 45 0	......	......	27·460	+0·310	73·5	68·0		
9 14 00 0	13·081	−8·06	27·405	+0·300	73·0	68·0	+1·30·70	73·5
9 14 15 0	......	......	27·530	+0·250	73·0	67·9		
9 14 30 0	......	......	27·600	+0·270	72·9	68·0		
9 14 45 0	......	......	27·660	+0·220	73·0	68·0		
9 15 00 0	13·425	−7·85	27·605	+0·190	73·0	68·1	+1·37·30	73·4
9 15 15 0	......	......	27·710	+0·190	73·2	68·5		
9 15 30 0	......	......	27·555	+0·160	73·8	69·0		
9 15 45 0	......	......	27·650	+0·215	74·1	69·6		
9 16 00 0	14·042	−7·23	27·570	+0·110	74·6	70·2	+2·01·00	73·9
11 22 30 0	......	......	26·500	−2·800	82·1	80·0	+1·43·30	
11 23 00 0	14·111	−6·92	26·235	−3·000	82·2	80·4	+1·42·20	81·9
11 23 30 0	......	......	26·150	−3·000	82·2	80·6		
12 00 00 0	13·871	−7·02	25·940	−3·140	82·0	80·0	+1·37·10	81·9
12 00 30 0	......	......	25·655	−3·500	81·8	80·0	+1·28·07	
12 1 00 0	14·230	−7·02	25·530	−3·600	81·5	79·0	+1·15·25	81·5
12 1 30 0	......	......	25·495	−3·600	80·5	78·6	+1·08·00	
12 2 00 0	14·798	−5·98	25·782	−3·200	80·0	78·0	+1·41·05	80·0
12 2 30 0	......	......	25·880	−3·100	79·5	78·0	+1·14·80	
12 3 00 0	14·196	−6·50	25·995	−3·000	79·5	77·8	+1·11·85	79·5
12 3 30 0	......	......	26·067	−3·000	79·1	77·4	+1·11·85	
12 4 00 0	14·042	−6·63	26·042	−3·000	76·5	76·8	+1·11·85	79·0
12 13 00 0	13·253	−7·54	27·055	−2·300	76·6	74·0	+1·13·10	76·5
12 13 30 0	......	......	27·050	−2·200	76·3	73·6	+0·39·50	
12 14 00 0	12·876	−7·54	27·227	−1·900	76·3	73·6	+0·21·70	75·6
14 00 30 0	......	......	25·000	−4·300	84·0	82·0	+3·01·70	

ADDITIONAL OBSERVATIONS, DISTURBANCE DAYS, 1846.

Date and Gottingen Mean Time.				Declination Magnetometer.		Horizontal Force Magnetometer.		Thermometer of H. F. Magnetometer.		Vertical Force Magnetometer.	
				Large.	Small.	Large.	Small.	Large.	Small.	Reading.	Therm.
				At full time.	5m. after full time.	2m. after full time.	4m. after full time.	2m. after time.	4m. after time.	2m. before full time.	
D.	H.	M.	S.								
Jan. 14	01	00	0	14′660	—5′98	25·355	-3·200	83°5	82°0	+1·14·56	84°0
21	18	00	0	12·222	—8·89	27·312	......	79·2	74·8	+2·41·60	77·7
21	18	15	0	11·603	—9·47	......	......	....	....	+2·19·82	77·9
21	18	30	0	11·225	—9·62	......	......	....	....	+1·40·35	78·2
21	18	45	0	11·088	—9·78	......	-3·800	....	....	+1·12·90	78·5
21	19	00	0	11·053	—9·78	27·250	-3·400	80·5	76·0	+1·08·80	79·0
23	18	30	0	12·876	......	27·120	-3·420	....	....	-3·27·30	78·2
23	19	00	0	11·535	— 9 72	27·210	-3·300	79·4	76·4	-4·04·70	78·6
23	19	30	0	12·428	......	26·705	-4·000	....	....	-2·25·06	78 8
23	20	00	0	11·310	—10·24	26·460	-4·100	80·0	77·4	-1·46·85	79·1
23	20	30	0	12·394	......	26·330	-4·400	80·2	....	-1·09·20	79·7
23	21	00	0	13·425	— 7·75	25·990	-4·820	80·6	78·0	+0·08·80	79·9
23	21	30	0	14·523	......	25·690	-5·200	80·8	....	+1·00·40	80·4
23	22	00	0	14·660	— 6·76	25·365	-5·500	80 9	78·4	+1·09·30	80·4
23	22	30	0	14·592	......	25·250	-5·500	80·9	....	+1·06·90	80·4
23	23	00	0	14·660	— 6·50	25·220	-5·520	80·8	79·2	+1·19·00	80·8
27	14	00	0	12·893	— 7·28	28·087	-3·200	72·6	68·0	+0·26·20	73·0
27	14	15	0	......	......	28·150	-3·300	72·2	68·0		
27	14	30	0	......	......	28·087	-3·200	72·0	67·8		
27	18	00	0	14·283	— 6·19	27·655	-3·750	78·5	74·4	-2·25·70	75·9
27	18	30	0	......	......	......	......	....	....	-2·31·57	
27	19	00	0	13·372	— 7·02	27·300	-4·050	79·9	76·0	-2·28·02	77·5
27	19	30	0	......	......	......	......	....	....	-1·37·05	77·9
28	1	00	0	14·213	— 6·50	25·875	-4·800	81·9	78·0	+0·30·65	80·7
28	1	30	0	......	......	25·875	-4·800	79·2	77·2		
Feb. 6	20	00	0	13·630	—6·08	12·070	37·280	85·0	81·0	+0·35·20	83·4
6	20	15	0	......	......	11·997	37·050	85·6	81·2		
6	20	30	0	......	......	11·845	36·890	86·0	81·8		
6	20	45	0	......	......	11·710	36·650	86·5	81·5		
6	21	00	0	14·111	—5·65	11·500	37·250	87·0	84·0	+1·01·60	85·7
6	21	15	0	......	......	11·332	37·550	86·8	84·1		
6	21	30	0	......	......	11·240	37·772	86·3	84·0		
6	21	45	0	......	......	11·055	37·810	35·9	83·9		
6	22	00	0	14·592	—5·20	11·160	37·820	85·6	83·9	+0·47·82	85·3
6	22	15	0	......	......	11·155	37·775	85·5	83·9		
6	22	30	0	......	......	11·137	37·800	85·3	83·8		
6	22	45	0	......	......	11·112	37·825	85·3	83·7		
8	11	00	0	12·978	—7·23	12·342	40·800	77·6	74·6	-1·17·32	78·7
8	11	30	0	......	......	12·540	41·400	77·3	74·0	-0·14·65	78·1
8	12	00	0	13·047	—7·44	13·382	41·000	77·0	74·0	+0·06·50	78·0
8	12	30	0	......	......	13·460	40·900	77·0	74·0	+0·05·50	78·0
8	13	00	0	13·081	—7·49	13·727	40·900	77·0	74·4	+0·18·55	78·0
8	13	30	0	......	......	13·880	41·000	77·1	74·4	-0·14·57	78·0
8	14	00	0	12·738	—7·54	13·860	40·800	77·2	74·4	+0·01·97	78·0
8	14	30	0	12·153	......	14·080	41·200	77·0	74·0	-1·03·50	
8	15	00	0	12·102	—8·06	14·145	41·300	77·0	74·0	-0·38·82	77·5
8	15	30	0	12·222	......	14·195	41·300	77·0	74·4	-0·33·15	
8	16	00	0	12·319	—8·06	14·265	41·100	77·7	75·2	-0·20·45	78·0
8	16	30	0	12·533	......	14·260	40·700	78·0	75·8	-0·17·70	
8	17	00	0	13·013	—7·07	14·195	40·300	78·8	76·2	-0·10·30	78·6
8	17	30	0	13·321	......	14·165	40·300	79·6	76·4	-0·18·00	
8	18	00	0	13·425	—6·92	14·015	40·200	80·1	77·4	-0·20·30	79 5
8	18	30	0	13·425	......	13·935	40·120	80·9	78·4	-0·15·50	
8	19	00	0	13·562	—6·76	13·655	40·000	81·2	79·0	+0·03·20	80·6
8	19	30	0	13·768	......	13·310	39·800	81·9	79·4	+0·35·00	
8	20	00	0	13·802	—6·50	13·010	39·530	82·0	80·0	+0·29·90	81·4
8	20	30	0	13·940	......	12·795	39·300	82·2	80·0	+1·12·60	

ADDITIONAL OBSERVATIONS, DISTURBANCE DAYS, 1846.

Date and Gottingen Mean Time.				Declination Magnetometer.		Horizontal Force Magnetometer.		Thermometer of H. F. Magnetometer.		Vertical Force Magnetometer.	
				Large.	Small.	Large.	Small.	Large.	Small.	Reading.	Therm.
				At full time.	5m. after full time	2m. after full time.	4m. after full time.	2m. after time.	4m. after time.	2m. before full time.	
D.	H.	M.	S.								
Feb. 8	21	00	0	14'626	—5'39	12·115	38·595	82°6	80°6	+1·31·00	81°7
8	21	30	0	15·966	......	11·767	38·575	82·8	80·9	+2·16·40	
8	22	00	0	15·828	—3·93	10·905	37·495	82·9	80·9	+2·29·20	82·6
8	22	30	0	16·412	......	11·070	37·805	82·8	80·9	+0·48·92	
8	23	00	0	15·983	—4·37	11·457	38·340	82·9	80·9	+1·17·85	83·3
8	23	30	0	15·519	......	11·425	38·320	82·7	80·5		
9	00	00	0	15·125	—5·04	11·572	38·550	82·3	80·4	+0 02·35	82·5
9	00	30	0	14·626	......	11·600	38·400	82·0	80·6	-0·25·80	
9	1	00	0	13·700	—6·50	11·407	38·495	81·6	80·0	-1·21·75	82·3
9	1	30	0	13·459	......	11·367	38·455	81·0	79·6	-0·48·10	
9	2	00	0	14·196	—5·46	11·400	38·300	80·4	79·0	-0·05·50	81·2
9	2	30	0	15·280	—5·46	11·145	38·200	80·1	78·0	+0·34·70	
9	3	00	0	16·601	—3·38	10·527	37·590	79·8	78·0	+1·20·30	80·5
9	3	30	0	15·091	—5·46	10·717	37·700	79·6	78·0	-0·30·85	
9	4	00	0	13·781	—5·98	10·882	37·900	79·5	77·6	-0·28·55	80·0
9	4	30	0	13·562	—5·98	11·425	38·300	79·0	77·6	-0·06·50	
9	5	00	0	14·179	—5·88	11·207	38·310	79·0	77·5	-0·00·50	79·5
9	5	30	0	14·111	—5·98	11·550	38·700	79·0	77·4	-0·00·10	
9	6	00	0	14·249	—5·56	11·530	38·900	78·9	76·7	+0·07·95	79·5
9	6	30	0	14·111	—5·72	11·605	38·980	78·9	76·4	+0·16·55	
9	7	00	0	14·273	—5·51	11·755	39·000	78·9	76·2	+0·26·30	79·3
9	7	30	0	14·145	—5·46	11·770	39·000	78·8	76·6	+0·29·90	
9	8	00	0	14·351	—5·46	11·710	39·020	78·8	76·7	+0·24·85	79·0
9	8	30	0	14·334	—5·46	11·817	39·160	78·6	76·6	+0·22·20	
9	9	00	0	14·334	—5·43	11·872	39·300	78·6	76·4	+0·19·55	78·7
9	9	30	0	14·317	—5·46	11·778	39·215	78·4	76·4	+0·19·55	
9	10	00	0	14·334	—5·39	11·912	39·200	78·2	76·2	+0·16·12	78·5
9	10	30	0	14·386	—5·39	12·012	39·480	77·9	75·2	+0·20·95	
9	11	00	0	14·179	—5·46	12·122	39·460	77·7	75·2	+0·13·90	77·9
9	11	30	0	13·547	—5·46	12·067	39·445	77·6	75·4	+0·00·72	
9	12	00	0	14·111	—5·46	12·177	39·475	77·6	75·4	+0·05·50	77·5
9	12	30	0	13·940	—5·46	12·235	39·500	77·7	75·8	+0·05·77	
9	13	00	0	13·751	—5·85	12·450	39·600	77·5	75·6	-0·20·85	77·6
9	13	30	0	13·579	—5·98	12·487	39·800	77·2	75·4	-0·13·35	
9	14	00	0	13·768	—5·98	12·670	40·150	77·0	74·2	-0·09·97	77·5
9	14	30	0	12·601	—7·02	13·342	40 600	77·0	74·4	-1·08·27	
9	15	00	0	11·845	—7·02	13·382	40·450	77·0	74·0	-0·41·35	77·2
9	15	30	0	12·823	—6·50	12·647	40·100	77·2	74·0	-0·19·50	
9	16	00	0	12·876	—6·50	12·752	40·175	77·9	74·6	-0·31·97	77·7
9	16	30	0	12·840	—6·50	12·750	40·000	78·5	75·2	-0·36·50	
9	17	00	0	12 394	—6·92	12·785	39·935	79·4	76·0	-0·33·20	78·8
9	17	30	0	12·050	—7·02	12·785	39·900	80·0	76·6	-0·33·20	
9	18	00	0	12·188	—7·02	12·730	39·900	80·8	77·2	-0·09·80	79·9
9	18	30	0	12·636	—6·50	12·690	39·780	81·4	77·8	+0·13·20	
9	19	00	0	12·806	—6·45	12·610	39·600	82·0	78·6	+0·22·40	80·9
9	19	30	0	12 876	—6·40	12·465	39·480	82·2	79·4	+0·38·40	
9	20	00	0	12·978	—5·98	12·360	39·420	82·4	79·6	+1·16·50	81·4
9	20	30	0	13·389	—5·54	12·285	39·290	82·4	79·8	+1·46·52	
9	21	00	0	14·042	—4·94	12 120	39·040	82·9	80·3	+2·31·10	81·9
9	21	30	0	14·660	—4·21	12·032	38·985	82·9	80·4	+2·37·55	
9	22	00	0	15·348	—3·57	11·925	38·850	82·9	80·4	+2·45·55	82·5
9	22	30	0	15·691	—3·38	11·850	38·745	82·9	80·5	+2·30·20	
9	23	00	0	15·897	—3·28	11·810	38·710	83·0	80·5	+2·35·30	83·2
9	23	30	0	15·570	—3·83	12·032	39·210	83·1	80·5	+1·28·10	
10	00	00	0	15·108	—4·11	11·932	38·910	82·9	80·4	+1·08·20	83·4
10	00	30	0	14·592	—4·89	11·690	38·795	82·7	80·6	+0·03·10	
10	1	00	0	13·717	—5·85	11·700	38·850	82·0	80·0	-0·32·10	82·5
10	1	30	0	13·219	—6·50	11·930	39·160	81·5	79·8	-0·23·05	
10	2	00	0	12·806	—6·50	12·652	39·950	81·0	79·0	-0·02·90	81·3
10	2	30	0	12·857	—6·03	12·422	39·610	80·5	78·6	+0·32·75	
10	3	00	0	13·167	—5·98	12·330	39·695	80·1	78·0	+0·27·70	80·7
10	3	30	0	13 372	—5·98	12·167	39·300	80·0	78·0	+0·44·02	
10	4	00	0	13·389	—5·98	12·107	39·390	79·9	78·0	+0·46·87	80·2
10	4	30	0	13·425	—5·88	12·130	39·325	79·6	77·6	+0·31·65	

ADDITIONAL OBSERVATIONS, DISTURBANCE DAYS, 1846.

Date and Gottingen Mean Time.				Declination Magnetometer.		Horizontal Force Magnetometer.		Thermometer of H. F. Magnetometer.		Vertical Force Magnetometer.	
				Large.	Small.	Large.	Small.	Large.	Small.	Reading.	Therm.
				At full time.	5m. after full time.	2m. after full time.	4m. after full time.	2m. after full time.	4m. after full time.	2m. before full time.	
D.	H.	M.	S.								
Feb. 10	5	00	0	13'·425	—5'·56	11·950	39·110	79°·5	77°·6	+0·32·60	80°·0
10	5	30	0	13·906	—4·94	11·965	39·270	79·2	77·4	+0·42·20	
10	6	00	0	13·042	—5·36	12·095	39·290	79·0	77·0	+0·31·95	79·8
10	6	30	0	13·734	—5·46	11·950	39·145	79·0	77·0	+0·19·90	
10	7	00	0	13·802	—5·20	11·880	39·090	78·9	77·0	+0·19·60	79·4
10	7	30	0	13·493	—5·46	12·140	39·190	78·8	77·0	+0·24·15	
10	8	00	0	13·906	—5·46	12·225	39 400	78·7	76·0	+0·21·20	78·9
10	8	30	0	13·820	—5·43	12·312	39·500	78·5	76·0	+0·48 62	
10	9	00	0	13·647	—5·49	12·400	39·450	78·6	76·2	+0·28·85	78·9
10	9	30	0	13·562	—5·51	12·130	39·380	78·4	76·0	+0·31·35	
10	10	00	0	13·562	—5·85	12·245	39·400	78·2	75·8	+0·24·87	78·7
10	10	30	0	13·287	—5·98	12·278	39·400	78·1	75·4	+0·35·47	
10	11	00	0	13·047	—6·01	12·360	39·400	78·2	75·4	+0·22·93	78·5
10	11	30	0	13·013	—6·24	12·390	39·420	78·2	75·3	+0·32·85	
10	12	00	0	12'·635	—6'·50	12·500	39·520	78°·0	74°·9	+0·24·85	78°·4
10	12	30	0	12·860	—6·50	12·645	39·510	78·0	75·2	+0·16·60	
10	13	00	0	12·669	—6·50	12·695	39·600	78·0	75·2	+0·02·25	78·2
10	13	30	0	12·806	—6·50	12·680	39·700	78·0	75·2	+0·02·90	
10	14	00	0	12·961	—6·45	12·665	39·900	77·9	75·0	+0·08·40	78·0
10	14	30	0	12·978	—6·35	12·660	39·910	77·7	75·0	+0·05·40	
10	15	00	0	12·876	—6·50	12·825	40·100	77·7	74·4	+0·20·25	77·7
10	15	30	0	12·601	—6·35	12·945	40·200	77·6	74·4	+0·27·65	
10	16	00	0	12·738	—6·03	13·005	40·300	77·7	74·0	+0·31·35	77·5
10	16	30	0	12·876	—6·08	13·202	40·200	78·7	75·8	—0·34·50	
10	17	00	0	12·944	—5·93	13.295	40·200	79·7	76·4	—0·28·00	79·0
10	17	30	0	12·944	—5·98	13·310	40·200	79·9	76·8	—0·22·60	
10	18	00	0	12·978	—5·98	13·335	40·000	80·4	78·4	—0·14·30	79.9
10	18	30	0	12·876	—5·98	13·295	40·000	80·9	78·7	—0·19·40	
10	19	00	0	12·738	—6·40	13·315	40·000	81·1	79·0	—0·19·40	80·6
10	19	30	0	12·463	—6·50	13·140	39·900	81·6	79·2	+0·03·80	
10	20	00	0	12·463	—6·50	12·950	39·590	81·9	79·7	+0·44·50	81·1
10	20	30	0	12·652	—5·98	12·797	39·450	82·0	79·8	+1·45·50	
10	21	00	0	13·613	—4·99	12·677	39·360	82·2	79·8	+2·07·85	81·5
10	21	30	0	14·437	—4·30	12·490	39·100	82·2	80·0	+2·45·25	
10	22	00	0	15·211	—3·62	12·272	39·035	82·3	79·8	+2·42·20	82·2
10	22	30	0	15·570	—3·38	12·160	38·915	82·3	80·0	+2·39·52	
10	23	00	0	15·623	—3·38	12·080	38·880	82·3	79·9	+2·26·45	82·7
10	23	30	0	15·623	—3·38	11·975	38·830	82·2	79·8		
11	00	00	0	15·280	—3·80	11·930	38·790	82·0	79·9	+1·36·47	83·5
11	00	30	0	14·592	* +11·18	12·017	38·950	81·8	79·9	+0·09·85	
11	1	00	0	14·145	10·40	12·085	39·075	81·0	79·8	—0·08·50	82·2
11	1	30	0	13·562	10·40	12·150	39·150	81·0	79·8	—0·10·35	
11	2	00	0	13·596	10·40	12·177	39·300	80·5	78·0	+0·23·50	81·0
11	2	30	0	13·768	10·66	12·277	39·395	80·0	78·0	+0·27·90	
11	3	00	0	13·768	10·66	12·387	39·550	79·5	77·4	+0·27·00	80·4
11	4	00	0	13·837	10.66	12·275	39·400	79·3	77·8	+0·22·85	
11	4	30	0	13·837	10·61	12·290	39·340	79·0	77·4	+0·08·70	79·9
11	5	00	0	13·768	10·61	12·300	39·490	79·0	76·7	+0·07·35	
11	5	30	0	13·734	10·66	12·250	39·340	78·9	76 6	+0.04·85	79·5
11	6	00	0	13·751	10·66	12·245	39·290	78·8	77·0	+0·05·50	
11	6	30	0	13·734	10·66	12·315	39·410	78·8	77·0	+0·17·45	79·4
11	7	00	0	13·734	10·66	12·460	39·510	78·6	76·7	+0·25·80	
11	7	30	0	13·768	10·66	12·460	39·450	78·4	76·6	+0·17·40	79·0
11	8	00	0	13·717	10·66	12·425	39·450	78·3	76·2	+0·27·80	
11	8	30	0	13·820	10·66	12·500	39·490	78·2	76·0	+0·16·70	78·9
11	9	00	0	13·765	10·66	12·550	39·590	78·1	75·6	+0·09·70	
11	9	30	0	13·562	10·66	12·555	30·600	78·0	75·6	+0·10·10	78·6
11	10	00	0	13·510	10·66	12·652	39·600	77·9	75·2	+0·04·20	
11	10	30	0	13·630	10·66	12·712	39·585	77·9	74·8	+0·05·35	78·5
11	11	00	0	13·355	10·45	12·750	39·610	77·8	74·8	—0·01·00	
11	11	30	0	13·201	10·24	12·822	39·600	77·4	74·7	—0·08·05	78·2
11	12	00	0	13·184	10·14	12·907	39·690	77·4	74·6	—0·12·25	
11	12	30	0	12·996	10·14	12·877	39·710	77·2	74·6	—0·14·75	77·8

* Scale newly adjusted.

ADDITIONAL OBSERVATIONS, DISTURBANCE DAYS, 1846.

Date and Gottingen Mean Time.				Declination Magnetometer.		Horizontal Force Magnetometer.		Thermometer of H. F. Magnetometer.		Vertical Force Magnetometer.	
				Large.	Small.	Large.	Small.	Large.	Large.	Reading.	Therm.
				At full time.	5m after full time.	5m. after full time.	4m. after full time.	2m. after time	2m. after time.	2m. after full time.	
D.	H.	M.	S.								
Feb. 11	13	00	0	13°013	10°14	12·950	40·000	77°3	74°2	-0·09·15	77°5
11	13	30	0	12·876	10·14	13·047	40·050	77·2	74·2	-0·16·75	
11	14	00	0	12·927	10·14	13·052	40·100	77·0	74·2	-0·05·00	77·5
11	14	30	0	12·961	10·14	13·142	40·150	77·0	74·0	-0·10·52	
15	20	00	0	11·981	10·50	12·737	37·990	83·9	80·0	-0·23·80	82·1
15	20	30	0	12·533	10·92	12·635	37·785	84·5	80·7	+0·23·12	83·2
15	21	00	0	12·944	11·60	12·445	37·655	85·4	82·4	+1·14·85	83·9
15	21	30	0	13·115	11·80	12·347	37·510	85·9	83·0	+1·18·50	84·7
25	14	25	0	14·557	13·62	13·252	38·900	77·0	74·0	-0·03·75	
25	14	40	0	14·643	13·78	13·170	38·800	77·0	74·0	-0·06·25	
25	14	55	0	14·936	14·09	......	38·700	....	74·0	-0·13·10	
25	15	10	0	14·987	13·96	......	38·600	....	74·0	-0·23·40	77·7
25	15	25	0	14·762	13·78	......	38·700	....	74·4	-0·01·75	77·7
25	15	40	0	14·732	13·78	......	38·700	....	74·8	-0·14·75	77·7
25	15	55	0	14·660	13·52	13·300	38 800	77·9	75·2	-1 32·75	77·7
25	16	30	0	13·974	12·84	13·580	38·900	78·5	76·0	-2·20·00	
25	17	00	0	13·321	12·22	13·790	39·070	79·3	77·2	-3·03·30	78·3
25	17	30	0	12·601	11·60	13·930	39·240	80·0	77·4	-3·19·40	
25	18	00	0	12·050	11·18	14·000	39·120	80·9	78·3	-3·19·40	79·4
25	18	30	0	11·845	10·81	14·125	39·330	81·2	79·2	-2·48·90	
25	19	00	0	12·433	11·49	13·365	38·540	81·8	79·6	-1·35·20	80·2
Mar. 6	18	15	0	12·944	....	14·650	......	81·2	....	-2·21·60	
6	18	30	0	12·876	....	14·660	......	81·7	....	-2·13·10	
6	18	45	0	12·533	....	14·647	......	82·0	....	-2·09·65	
13	1	30	0	13·906	15·24	11·407	35·650	81·4	80·5	-0·09·50	82·7
13	2	00	0	14·213	15·86	11·387	35·500	81·0	80·5	-0·14·10	82·3
13	2	30	0	14·351	15·86	11·301	35·380	80·7	79·4	-0·09·50	82·8
13	3	00	0	14·516	15·86	10·810	34·825	80·4	79·2	-0·02·35	83·3
13	3	30	0	13·974	15·76	10·440	34·425	80·3	78·9	-0·25·10	83·2
13	4	00	0	13·940	15·39	10·470	34·380	80·2	78·8	-0·22·55	83·5
13	4	30	0	14·249	15·34	10·547	......	80·0	....	-0·18·30	
13	5	00	0	13·837	15·34	10·575	34·490	80·0	78·4	-0·18·30	33·5
13	5	15	0	13·700	....	10·727	......	79·9	....	-0·16·85	
13	5	30	0	13·971	....	10·902	. ....	79·8	....	-0·07·55	
13	5	45	0	13·974	....	11·100	......	79·7	....	-0·05·70	
13	6	00	0	14·145	15·34	11·325	35·365	79·6	77·8	-0·04·40	83·5
13	6	15	0	13·734	....	11·775	35·700	79·5	77·8	-0·24·50	
13	6	30	0	13·906	....	11·500	35·600	79·4	77·7	+0·18·10	
13	6	45	0	13·837	....	11·500	35·650	79·4	77·7	-0·27·30	
13	7	00	0	14 386	15·86	11·575	35·650	79·4	77·7	-0·27·30	83·4
13	7	15	0	14·076	....	11·625	35·800	79·2	77·6	-0·27·30	
13	7	30	0	14·179	...	11·730	35·950	79·2	77·5	-0·11·75	
13	7	45	0	14·386	....	11·800	36·010	79·3	77·3	-0·25·00	
13	8	00	0	14·317	15·86	12·400	36·030	79·3	77·3	-0·25·00	83·0
13	8	15	0	14·386	....	12·200	36·500	79·1	77·2	-0·25·00	
13	8	30	0	14·386	....	12·270	36·600	79·0	77·2	-0 23·00	
13	8	45	0	14·636	....	12·180	36·520	79·0	77·1	-0·01·70	
13	9	00	0	14·386	15·86	12·300	36·400	78·9	76·9	+0·12·80	82·5
13	9	30	0	14·351	....	12·205	36·300	78·9	76·7	+0·25·40	
13	10	00	0	15·004	16·38	12·335	36·470	78·7	76·4	+0·25·40	82·3
13	11	30	0	14·660	....	12·565	36·770	78·6	76·2	+0·14·60	
13	11	00	0	14·694	16·17	12·445	36·790	78·2	76·0	+0·22·00	81·9
13	11	30	0	14·867	....	12·450	36·700	78·0	76·0	+0·29·50	
13	12	00	0	14·694	15·86	12·500	36·620	78·0	75·9	+0·21·20	81·8
13	12	30	0	13·991	....	12·467	36·550	78·0	75·7	+0·17·60	
13	13	00	0	14·006	15·34	12·495	36·535	78·0	75·6	+0·48·95	81·8
13	13	30	0	14·023	....	12·557	36·600	78·0	75·5	+1·06·10	
13	14	00	0	13·991	15·39	12·627	36·580	77·8	75·2	+1·09·20	81·4
13	14	30	0	14·523	....	12·750	36·700	77·8	75·0	+0·36·50	
13	15	00	0	14·745	16·38	12·910	36·835	78·0	75·6	-0·06·60	79·7

ADDITIONAL OBSERVATIONS, DISTURBANCE DAYS, 1846.

Date and Gottingen Mean Time.				Declination Magnetometer.		Horizontal Force Magnetometer.		Thermometer of H. F. Magnetometer.		Vertical Force Magnetometer.	
				Large.	Small.	Large.	Small.	Large.	Small.	Reading.	Therm.
				At full time.	5m. after full time.	2m. after full time.	4m. after full time.	2m. after time.	4m. after time	2m. before full time.	
D.	H.	M.	S.								
Mar. 13	15	30	0	14′·694	....	12·887	36·835	78°·4	76°·0	−0·17·80	
13	16	00	0	14·901	16′·28	13·120	36·950	79·0	76·4	−0·34·75	79°·5
13	16	30	0	14·867	....	13·260	37·100	79·7	77·0	−0·48·15	
13	17	00	0	14·592	15·88	13·395	37·140	80·0	77·6	−1·07·50	80·0
13	17	30	0	14·832	....	13·472	37·172	80·5	78·0	−1·15·15	
13	18	00	0	14·249	15·62	13·725	37·350	81·0	78·6	−1·30·45	80·5
13	18	30	0	13·630	....	13·576	37·210	81·4	79·1	−1·36·50	
13	19	00	0	13·219	14·82	13·375	36·900	81·3	79·8	−1·30·45	80·9
13	19	30	0	12·806	....	12·750	36·250	81·4	80·0	−0·29·95	
13	19	45	0	12·876	....	12·675	36·300	81·5	80·1	−1·23·00	
13	20	00	0	12·806	14·82	12·690	36·350	81·6	80·2	−1·23·00	81·4
13	20	15	0	12·944	....	12·700	36·390	81·6	80·2	+0·08·40	
13	20	30	0	12·944	....	12·715	36·405	81·7	80·6	+0·05·70	
13	20	45	0	12·978	....	12·710	36·390	81·9	80·0	+0·11·60	
13	21	00	0	12·944	14·25	12·650	36·250	81·9	80·8	+0·16·50	81·8
13	21	15	0	12·938	....	12·520	36·180	82·0	80·8	+0·16·50	
13	21	30	0	12·669	....	12·425	36·120	82·0	80·8	+0·09·80	
13	21	45	0	12·944	....	12·330	36·000	82·0	81·0	+0·31·40	
13	22	00	0	13·150	14·30	12·120	35·810	82·0	81·0	+0·44·10	82·3
13	22	15	0	13·287	....	12·060	35·760	82·0	80·8	+1·01·60	
13	22	45	0	13·906	....	12·100	35·780	81·9	80·6	+1·10·85	
13	23	00	0	13·906	15·03	12·050	35·750	81·9	80·4	+0·49·70	82·5
13	23	15	0	13·837	....	12·050	35·780	81·8	80·3	+0·32·60	
13	23	30	0	13·768	....	12·030	35·790	81·8	80·0	+0·20·60	
13	23	45	0	13·219	....	11·905	35·700	81·5	80·0	+0·07·70	
14	00	00	0	13·287	....	11·790	35·580	81·3	80·0	+0·13·10	
14	00	15	0	13·115	....	11·760	35·595	81·3	79·7	−0·03·95	
14	00	30	0	12·876	....	11·737	35·590	81·0	79·3	−0·11·65	
14	00	45	0	13·493	....	11·580	35·395	80·8	79·0	+0·06·55	
14	1	00	0	13·493	....	11·950	35·850	80·7	79·0	−0·04·10	
14	1	15	0	13·184	....	12·050	33·885	80·4	78·8	−0·15·90	
14	1	30	0	13·219	....	11·840	35·677	80·2	78·6	−0·14·10	
14	1	45	0	13·476	....	11·537	35·360	80·0	78·4	−0·09·20	
14	2	00	0	13·321	....	11·522	35·450	80·0	78·0	−0·09·20	
14	2	15	0	12·978	....	11·737	35·600	79·8	77·8	−0·16·65	
14	2	30	0	13·820	....	11·585	35·495	79·4	77·6	+0·04·55	
14	2	45	0	13·941	....	11·375	35·505	79·2	....	+0·05·65	
14	3	00	0	14·249	....	11·690	35·865	79·2	....	−0·10·50	
April 6	5	00	0	14·042	13·26	11·855	33·650	82·7	80·8	+0·09·45	85·0
6	5	15	0	14·213	....	12·330	34·195	82·6	80·6	+0·14·45	
6	5	30	0	13·923	....	12·547	34·350	82·5	80·6	+0·31·95	
6	5	45	0	14·249	....	12·450	......	82·5	....	+0·24·05	
6	6	00	0	14·421	13·78	12·290	34·000	82·4	80·0	+0·24·05	85·0
6	6	15	0	14·179	....	12·062	33·800	82·2	80·0	+0·19·90	
6	6	30	0	14·284	....	11·897	33·650	82·2	80·0	+0·13·20	
6	6	45	0	14·540	....	11·677	33·450	82·1	80·0	+0·24·90	
6	7	00	0	14·660	13·78	11·635	33·405	82·0	80·0	+0·24·90	84·9
6	7	30	0	14·953	....	11·605	33·450	82·0	79·8	+0·19·05	
6	8	00	0	14·936	14·30	11·990	33·705	81·8	79·8	+0·11·70	84·5
6	8	30	0	15·004	....	11·835	33·770	81·7	79·4	+0·11·70	
6	9	00	0	15·553	14·82	12·195	34·000	81·5	79·4	+0·22·00	84·8
6	9	30	0	15·142	....	12·220	33·990	81·2	79·0	+0·14·50	
6	10	00	0	14·351	13·99	12·020	33·770	81·0	79·0	+0·10·00	83·9
6	10	30	0	14·488	...	11·865	33·680	80·9	78·7	+0·18·20	
6	11	00	0	14·728	13·99	11·980	33·810	80·8	78·2	+0·18·20	83·8
6	11	30	0	14·179	....	12·235	33·970	80·8	78·0	+0·03·50	
6	12	00	0	14·317	13·73	12·335	34·050	80·5	77·9	+0·22·80	83·4
6	12	30	0	13·957	....	12·535	34·300	80·5	77·9	+0·11·55	
6	13	00	0	14·403	13·99	12·412	34·100	80·4	77·6	+0·10·95	83·2
6	13	30	0	14·936	....	12·445	34·137	80·2	77·6	+0·04·75	
6	14	00	0	15·365	14·87	12·475	34·170	80·2	77·2	+0·14·60	81·8
6	14	30	0	15·828	....	12·492	34·110	80·3	77·4	+0·14·00	
6	15	00	0	15·931	15·34	12·592	34·100	80·3	78·3	−0·03·15	

ADDITIONAL OBSERVATIONS, DISTURBANCE DAYS, 1846.

Date and Gottingen Mean Time.				Declination Magnetometer.		Horizontal Force Magnetometer.		Thermometer of H. F. Magnetometer.		Vertical Force Magnetometer.	
				Large.	Small.	Large.	Small.	Large.	Small.	Reading.	Therm.
				At full time.	5m. after full time.	2m. after full time.	4m after full time.	2m. after time.	4m. after time.	2m. before full time.	
D.	H.	M.	S.								
April 6	15	30	0	16°·136	....	12·310	33·750	80°·6	....	–0·03·15	
6	16	00	0	16·378	15°·60	12·095	33·430	81·1	79°·2	–0·13·90	81°·8
6	16	30	0	15·983	....	12·200	33·535	81·9	79·8	–0·34·55	
6	17	00	0	15·828	14·82	12·150	33·400	82·7	80·0	–6·11·20	82·5
6	17	30	0	15·623	....	12·232	33·485	83·3	80·6	–2·08·35	
6	18	00	0	14·762	14·30	12·095	33·300	84·0	80·8	–1·15·60	83·5
6	18	30	0	14·076	....	12·200	33·490	83·3	81·2	–2·00·95	
6	19	00	0	13·047	12·22	12·455	33·602	84·2	82·0	–2·15·70	83·8
6	19	30	0	12·703	....	12·302	33·460	84·2	82·6	–1·28·60	
6	20	00	0	11·431	10·60	12·355	33·515	84·2	83·6	–2·07·00	84·4
6	20	30	0	11·088	....	12·165	33·370	84·6	83·8	–1·28·20	
6	21	00	0	10·676	10·14	11·935	33·110	84·7	83·8	–1·18·20	84·9
6	21	30	0	11·603	....	11·405	32·590	85·0	84·0	–0·25·00	
6	22	00	0	11·981	11·44	11·225	32·440	85·0	84·0	–0·05·80	85·3
6	22	30	0	12·497	....	11·655	32·980	85·0	84·0	+0·16·50	
6	23	00	0	12·910	12·22	11·860	33·260	85·0	84·0	+0·35·20	85·9
6	23	30	0	13·150	....	11·905	33·290	85·0	83·8		
7	00	00	0	13·562	12·95	11·795	33·240	85·0	83·8	+1·08·80	85·9
13	3	00	0	13·253	13·83	11·075	32·500	84·4	83·2	+2·24·83	87·2
13	3	15	0	13·115	....	11·185	32·600	84·3	83·0	+2·14·35	
27	9	30	0	13·596	....	5·910	31·950	85·3	83 4	+1·34·20	
27	10	00	0	13·630	14·30	5·980	32·045	85·3	82·8	+1·34·20	87·9
27	10	30	0	13·562	....	6·000	32·055	85·2	82·4	+1·34·20	
27	11	00	0	13·596	14·30	6·105	32·150	85·0	82·0	+1·28·40	87·9
May. 11	22	30	0	11·191	....	11·180	26·150	89·9	89·4	+1·02·50	
11	23	00	0	11·293	13·36	10·885	25·750	89·7	89·2	+1·15·75	90·9
11	23	30	0	11·913	....	10·800	25·710	89·6	89·2	+1·36·20	
12	00	00	0	12·188	14·25	10·960	25·900	89·1	88·8	+1·29·80	90·6
12	00	30	0	12·428	....	10·752	25·720	89·0	88·4	+1·21·60	
12	1	00	0	12·497	14.30	11·465	26·860	88·6	87·8	+1·21·60	90·0
12	1	30	0	12·188	....	11·735	27·445	88·0	....	+1·19·40	
12	2	00	0	12·084	14·20	11·835	27·510	87·8	86·4	+1·17·80	88·7
12	2	30	0	12·584	....	11·812	27·650	87·6	85·6	+1·47·15	
12	3	00	0	13·510	15·65	11·570	27·325	87·3	85·2	+2·15·70	89·1
12	3	30	0	14·008	....	11·675	27·500	86·5	84·8	+2·15·70	
12	4	00	0	13·202	14·92	11·750	27·400	86·3	84·8	+2·07·40	89·2
12	4	30	0	13·287	....	11·805	27·350	86·3	84·8	+2·19·95	
12	5	00	0	13·871	15·86	11·910	27·450	86·2	84·4	+2·13·15	89·3
12	5	30	0	13·321	....	12·055	27·450	86·2	84·4	+2·02·35	
12	6	00	0	14·249	16·38	11·677	27·300	86·3	84·6	+1·46·30	90·0
12	6	30	0	14·540	....	11·742	27·400	86·8	84·8	+1·46·30	
12	7	00	0	14·420	15·86	12·012	27·905	87·0	84·8	+1·46·30	90·5
12	7	30	0	14·471	....	12·100	27·795	86·9	84·6	+1·19·25	
12	8	00	0	14·317	16·38	12·100	27·700	86·8	84·4	+0·37·00	90·5
12	8	30	0	15·004	....	11·970	27·400	86·7	84·4	+1·22·50	
12	9	00	0	15·004	17·16	11·906	27·290	86·6	84·0	+1·36·00	89·7
12	9	30	0	15·142	....	12·200	27·895	86·6	84·0	+2·01·30	
12	10	00	0	15·523	16·38	12·000	27·640	86·7	84·0	+2·00·50	89·3
12	10	30	0	15·142	....	11·950	27·650	86·6	84·0	+2·12·90	
12	11	00	0	15·211	17·42	12·150	27·930	86·4	83·7	+2·12·90	89·4
12	11	30	0	15·314	....	11·950	28·000	86·3	83·6	+2·12·90	
12	12	00	0	14·664	16·59	11·990	28·050	86·3	83·6	+1·44·20	89·3
12	12	30	0	14·936	....	11·740	27·900	86·6	84·0	+2·02·85	
12	13	00	0	14·314	16·90	11·790	28·090	86·6	83·6	+2·02·85	88·8
12	13	30	0	14·832	....	11·952	28·250	86·3	83·4	+2·02·85	
12	14	00	0	15·966	17·68	11·950	28·100	86·3	83·6	+2·22·40	87·8
12	14	30	0	15·828	....	11·870	28·030	86·7	84·0	+2·22·40	
12	15	00	0	16·515	18·36	11·940	28·200	87·3	84·6	+2·19·35	87·7
12	15	30	0	16·515	....	11·955	28·190	87·9	85·0	+2·19·35	
12	16	00	0	16·378	18·46	11·932	28·100	88·0	85·6	+2·10·00	88·2
12	16	30	0	16·309	....	12·140	28·500	88·0	86·5	+1·36·50	

ADDITIONAL OBSERVATIONS, DISTURBANCE DAYS, 1846.

Date and Gottingen Mean Time.				Declination Magnetometer.		Horizontal Force. Magnetometer.		Thermometer of H F. Magnetometer.		Vertical Force Magnetometer.	
				Large.	Small.	Large.	Small.	Large.	Small.	Reading.	Therm.
				At full time.	5m. after full time.	2m. after full time.	4m. after full time.	2m. after time.	4m. after time.	2m. before full time.	
D.	H.	M.	S.								
May. 12	17	00	0	15′·897	17′·66	12·100	28·250	88°·0	87°·4	+1·20·60	88°·0
June 10	19	00	0	11·845	...	15·865	....	85·9	....	–5·48·00	85·5
10	19	15	0	10·899	....	15·865	....	86·2	....	–5·41·65	
10	19	30	0	10·573	....	15·852	....	86·2	....	–5·39·05	
10	19	45	0	10·436	....	15·800	....	86·7	....	–5·21·80	
10	20	00	0	10·024	....	15·750	....	86·2	....	–5·03·50	86·0
10	20	15	0	9·733	....	15·749	....	85·8	....	–4·27·65	
10	20	30	0	9·509	....	15·770	....	85·0	....	–4·15·20	
12	18	15	0	11·327	...	17·377	....	82·3	....		
12	18	30	0	11·002	....	17·352	....	82·3	....	–7·41·20	
12	18	45	0	10·624	....	17·350	....	82·3	....	–5·04·29	
12	19	00	0	10·128	....	17·350	....	82·2	....	–4·19·00	82·5
12	19	15	0	9·847	....	17·197	....	82·0	....	–3·48·20	
12	19	30	0	9·785	....	17·200	....	82·0	....	–3·43·10	
12	19	45	0	9·733	....	17·260	....	82·0	....	–3·45·29	
12	20	00	0	9·767	....	17·122	....	82·0	....	–3·35·20	82·0
12	20	15	0	9·406	.. .	17·160	....	81·9	....	–3·35·30	
12	20	30	0	9·613	....	17·147	....	82·0	....	–3·42·20	
12	20	45	0	9·543	....	17 165	....	82·0	....	–3·47·70	
12	21	00	0	9·716	....	16·990	....	82·1	....	–3·34·40	82·5
12	21	15	0	9·303	....	17·440	....	82·2	....	–3·46·70	
12	21	30	0	9·166	....	17·347	....	82·5	....	–3·32·40	
12	21	45	0	9·268	....	17·060	....	82·7	....	–3·12·40	
12	22	00	0	9·132	....	16·925	....	82·7	....	–3·16·60	82·6
12	22	15	0	9·303	....	16·975	....	82·8	....		
12	22	30	0	9·733	....	16·865	....	82·9	....		
12	22	45	0	10·196	...	16·680	....	83·0	....		
12	23	00	0	10·402	....	16·765	....	83·0	....	+0·04·40	82 9
July. 2	17	00	0	13·562	13·70	15·950	29·000	81·5	79·4	–2·25 40	82·0
2	17	30	0	12·961	....	16·070	....	81·8	....	–2·36·05	
2	18	00	0	11·879	12·37	16·095	29·500	81·5	79·2	–2·16·50	82·0
2	18	30	0	12·084	....	16·290	....	81·5	....	–1·46·60	
2	19	00	0	12·188	11·90	16·352	29·100	82·4	80·0	–1·35·55	82·0
5	23	00	0	17·339	10·48	14·740	25·215	87·2	85·8	–1·42·60	87·8
6	0	00	0	12·876	13·00	12·925	25·600	87·1	85·8	–0·35·40	87·9
6	0	15	0	13·527	....	13·660	25·215	87·0	85·4	–0·48·80	87·8
6	0	30	0	13·253	....	13·950	25·600	86·9	85·2	–1·19·00	87·8
6	0	45	0	13·355	....	14·152	25·810	86·8	84·8	–1·15·55	
6	1	00	0	13·184	12·90	14·240	25·910	86·5	84·8	–1·24·10	87·0
6	1	15	0	12·840	....	14·300	25·890	86·4	84·6	–1·28·00	86·7
6	1	30	0	12·823	....	14·170	25·800	86·3	84·6	–1·23·90	86·5
6	2	00	0	12·635	12·37	13·912	25·550	86·0	84·5	–1·26·70	86·0
6	2	30	0	12·222	....	13·780	25·500	....	....	–1·37·60	
6	3	00	0	11·913	11·90	13·967	25·715	85·3	84·0	–1·25·40	86·7
6	19	00	0	11·896	12·31	14·112	25·390	86·0	83·6	–3·39·30	85·3
6	19	15	0	11·845	....	14·322	25·610	86·0	84·0	–3·34·65	
10	19	00	0	10·471	10·28	16·810	27·810	88·0	84·6	–6·28·50	86·9
10	19	15	0	10·024	....	16·642	27·790	88·0	85·2	–5·44·50	
10	19	30	0	9·819	....	16·737	27·660	88·2	85·4	–6·07·15	
10	20	00	0	9·476	9·24	16·402	27·300	88·2	86·0	–5·38·15	87·6
10	20	30	0	9·149	....	16·157	27·050	88·5	86·0	–6·01·80	
10	21	00	0	8·600	8·71	16·725	27·555	88·9	86·2	–6·37·20	88·0
10	21	35	0	8·548	....	16·447	27·395	89·0	87·0	–5·32·20	
10	22	00	0	8·136	7·77	16·287	27·300	89·0	87·0	–5·12·90	88·8
10	22	30	0	7·792	....	16·200	27·010	89·0	87·0	–4·49·80	
10	23	00	0	8·446	8·71	15·800	26·700	89·0	87·0	–3·46·40	89·1
10	23	30	0	10·128	....	15·150	26·100	88·8	86·5	–2·28·60	
11	00	00	0	10·744	....	15·200	26·200	88·5	86·2	–2·23·25	
11	00	30	0	11·845	....	15·260	25·200	88·0	....	–2·26·20	

ADDITIONAL OBSERVATIONS, DISTURBANCE DAYS, 1846.

Date and Gottingen Mean Time.				Declination Magnetometer.		Horizontal Force Magnetometer.		Thermometer of H. F. Magnetometer.		Vertical Force Magnetometer.	
				Large.	Small.	Large.	Small.	Large.	Small.	Reading.	Therm.
				At full time.	5m. after full time.	2m. after full time.	4m. after full time.	2m. after time.	4m. after time.	2m. before full time.	
D.	H.	M.	S.								
July 11	1	00	0	12′894	....	13·775	24·600	....	....	–2·26·20	
11	1	30	0	13·081	....	13·540	24·140	87·8	....	–2·26·10	88°0
11	2	00	0	14·042	....	12·825	23·250	87·5	....	–2·20·40	87·8
11	3	00	0	13·596	....	12·300	23·040	. ..	83°4	–4·18·62	
11	3	30	0	12·876	....	12·407	23·100	....	82·5	–3·26·60	
11	4	00	0	14·249	....	12·832	23·570	....	....	–2·34·50	
11	4	30	0	13·596	....	13·080	......	....	....	–2·38·20	
11	5	00	0	13·355	....	13·290	24·010	....	....	–2·27·09	
11	5	30	0	13·287	.. .	13·505	24·120	....	....	–2·37·05	
11	6	00	0	12·876	....	13·460	24·400	....	....	–2·18·09	
11	6	30	0	13·355	....	13·737	24·400	....	....	–1·40·07	
12	00	00	0	13·184	12′90	13·620	24·120	88·0	86·0	–2·45·85	89·0
12	1	00	0	13·459	12·83	13·122	23·600	87·3	85·2	–3·06·10	
12	1	30	0	13·287	....	13·572	24·095	87·3	....	–3·16·60	87·8
12	2	00	0	13·974	13·94	13·535	23·990	87·1	85·6	–2·35·55	87·6
12	2	30	0	14·592	....	13·250	23·600	....	....	–2·38·10	
12	3	00	0	14·488	14·04	13·480	24·000	87·0	84·0	–3·19·05	88·7
12	22	35	0	11·225	....	15·472	26·110	86·7	84·0	–3·16·70	
12	23	00	0	10·814	10·81	15·500	26·100	86·8	84·0	–3·16·70	87·0
12	23	30	0	12·806	....	14·520	24·940	86·5	84·0	–2·31·10	
13	0	00	0	12·533	12·37	14·350	24·800	86 1	83·9	–2·34·60	86·8
13	0	30	0	13·493	....	14·030	24·500	86·0	83·6	–2·28·20	
13	1	00	0	14·059	13·88	14·112	24·600	85·8	83·2	–2·38·40	86·0
13	1	30	0	13·940	....	14·102	24·500	....	83·1	–3·04·50	
13	2	00	0	13·115	13·42	14·215	24·500	85·3	83·2	–3·31·10	85·8
28	19	00	0	10·024	9·76	17·655	26·490	81·0	79·0	–0·11·50	81·3
28	19	30	0	9·372	....	17·550	26·300	81·1	79·2	–0·11·50	
29	3	30	0	12·738	....	14·415	22·650	....	79·6	+0·05·85	
29	4	00	0	13·013	12·90	14·195	22·520	81·5	79·6	+0·21·05	84·2
29	4	30	0	13·321	....	14·090	22·440	81·5	79·6	+0·19·00	
29	5	00	0	13·562	13·36	13·900	22·350	81·3	79·6	+0·12·80	84·4
29	5	30	0	13·906	....	14·095	22·350	81·3	79·6	+0·12·80	
29	6	00	0	13·923	13·73	14·160	22·590	81·2	79·8	+0·17·95	84·3
29	6	30	0	13·820	....	14·800	23·195	81·3	79·8	+0·17·95	
29	7	00	0	13·734	13·50	14·650	22·905	81·3	79·8	+0·28·25	84·0
29	7	30	0	13·871	....	14 690	23·000	81·3	79·8	+0·28·25	
29	8	00	0	13·596	13·42	14·840	23·150	81·3	79·8	+0·28·25	83·6
29	8	30	0	13·459	....	14·990	23·300	81·1	79·8	+0·32·90	
29	9	00	0	13·150	13·16	14·004	23·400	81·1	79·6	+0·32·90	83·8
Aug. 7	5	00	0	11·776	11·85	14·800	22·100	82·9	81·0	+4·47·15	85·0
7	5	30	0	11·947	....	14·700	21·997	82·8	81 0	+5·10·80	
7	6	00	0	12·360	12·34	14·500	21·840	82·7	80·8	+5·16·25	85·0
7	6	30	0	12·806	....	14·405	21·790	82·5	80·4	+5·21·05	
7	7	00	0	13·013	12·37	14·600	21·915	82·4	80·2	+5·12·45	84·5
7	7	30	0	13·115	....	14·550	21·997	82·4	80·2	+5·21·50	
7	8	00	0	12·752	12·37	14·550	22·050	82·0	80·0	+5·16·70	84·5
7	8	30	0	12·496	....	15·095	22·695	81·8	79·9	+5·16·70	
7	9	00	0	12·601	12·37	15·610	23·120	81·9	80·0	+5·31·10	84·3
7	9	30	0	12·823	....	15·135	22·500	81·9	80·0	+5·38·90	
7	10	00	0	13·013	12·90	14·960	22·385	81·8	79·9	+5·32·40	84·0
7	10	30	0	13·013	....	15·060	22·405	81·7	79·9	+5·25·10	
7	11	00	0	13·287	13·42	15·125	22·420	81·7	79·8	+5·25·10	83·9
7	11	30	0	13·630	....	15·105	22·390	81·7	79·8	+5·35·00	
7	12	00	0	13·837	13·57	15·090	22·400	81·8	79·8	+5·30·50	84·0
7	12	30	0	13·700	....	15·150	22·400	....	....	+5·21·95	
7	13	00	0	14·249	14·47	15·045	22·200	81·5	79·9	+5·36·15	83·5
7	13	30	0	15·280	....	14·957	22·290	....	....	+6·05·40	
7	14	00	0	16·034	16·04	15·457	22·700	80·7	79·8	+5·42·80	82·7

ADDITIONAL OBSERVATIONS, DISTURBANCE DAYS, 1846.

Date and Gottingen Mean Time.				Declination Magnetometer.		Horizontal Force Magnetometer.		Thermometer of H. F. Magnetometer.		Vertical Force Magnetometer.	
				Large.	Small.	Large.	Small.	Large.	Small.	Reading.	Therm.
				At full time.	5m. after full time.	2m. after full time.	4m. after full time.	2m after time.	4m. after time.	2m. before full time.	
D.	H.	M.	S.								
Aug. 9	1	00	0	14′·249	14′·47	14·705	21·390	83°·3	80°·6	+5·15·50	83°·3
9	2	00	0	13·837	13·99	13·965	20·500	82·8	80·8	+5·04·40	82·5
9	2	30	0	13·837	....	13·817	20·490	82·5	80·5	+5·07·00	
9	3	00	0	13·562	13·83	14·775	21·650	82·3	80·4	+4·41·85	83·6
9	3	30	0	12·876	....	14·795	21·500	82·2	80·2	+4 29·80	
9	4	00	0	12·996	13·36	14·585	21·300	82·0	....	+4·39·40	84·0
9	4	30	0	13·150	....	14·650	21·400	82·0	80·0	+4·45·00	
9	5	00	0	12·567	12·63	14·850	21·600	82·0	80·0	+4·48·15	84·0
9	5	30	0	12·703	....	14·895	21·640	82·0	80 0	+5·03·85	
9	6	00	0	12·497	12·90	15·042	21·795	82·0	80·0	+4·42·80	84·5
9	6	30	0	12·601	....	15·042	21·810	82·0	80·0	+4·45·55	
9	7	00	0	12·669	12·90	15·265	22·195	82·0	80·0	+4·41·95	84·5
9	7	30	0	12·635	....	15·300	22·100	82·0	80·0	+4·48·45	
9	8	00	0	12·447	12·42	15·200	22·195	82·0	80·0	+4·48·45	84·5
Sept. 3	21	30	0	11·569	....	14 240	17·910	85·9	83·8	+5·33·50	
3	22	00	0	12·533	12·45	13·890	17·420	86·0	83·9	+5·38·50	
3	22	30	0	13 664	....	13·845	17·460	86·1	84·0	+5·38·50	
3	23	00	0	14·042	13·91	13·950	17·640	86·1	84·0	+5·32·30	
3	23	30	0	13·974	....	14·010	17·630	86·1	84·0	+5·32·20	
4	0	00	0	14·660	14·47	13·590	17·090	86·1	84·0	+5·32·20	87·0
4	0	30	0	14·867	....	13·275	16·910	86·0	83·6	+5·26·25	
4	1	00	0	14·936	14·99	13·387	17·000	85·2	83·2	+5·26·25	86·0
4	1	30	0	14·728	....	13·065	16·800	85·0	83·0	+5·26·25	
4	2	00	0	13·734	13·42	13·750	17·580	84·2	82·7	+5·26·25	85·2
4	2	30	0	12·979	....	13·982	17·700	83·9	82·3	+5·29·40	
4	3	00	0	12·944	12·90	14·027	17·790	83·7	82·2	+5·32·50	85·3
4	3	30	0	13·219	....	13·912	17·600	83·3	82·0	+5·34·25	
4	4	00	0	13·184	13·26	14·062	17·780	83·3	82·0	+5·32·20	85·6
4	4	30	0	13·338	....	14·350	17·900	83·3	81·8	+5·32·20	
4	5	00	0	12·876	12·63	14·650	18·300	83·2	81·6	+5·32·20	85·8
4	5	30	0	13·150	....	14·600	18·155	83·0	81·4	+5·32·20	
4	6	00	0	12·738	12·90	14·850	18·400	83·0	81·2	+5·32·20	85·6
4	6	30	0	12·920	....	14·830	18·400	83·0	81·2	+5·32·20	
4	7	00	0	12·772	12·63	14·950	18·590	83·0	81·0	+5·32·20	85·3
4	7	30	0	13·098	....	14·910	18·600	82·8	80·8	+5 32·20	
4	8	00	0	13·184	12·90	14·955	18·500	82·5	80·2	+5·32·20	85·0
4	8	30	0	13·219	....	15·055	18·680	82·3	80·4	+5·39 20	
4	9	00	0	13·184	12·90	15·035	18·700	82·3	80·4	+5·35·80	84·9
4	9	30	0	13·184	....	15·070	18·870	82·2	80·4	+5·35·80	
4	22	00	0	12·463	12·37	14·550	17·920	84·8	82·0	+5·48·60	85·0
4	22	30	0	13·493	....	14·345	......	85·0	....	+5·48·60	85·5
4	22	45	0	13·837	....	14·290	......	85·1	....	+5·48·60	85·8
4	23	00	0	13·940	13·47	14·175	17·720	85·8	82·4	+5·48·60	85·9
4	23	15	0	13·527	....	14·300	......	85·4	....	+5·43·30	85·9
4	23	30	0	13·664	....	14·290	......	85·4	....	+5·43·30	85·9
4	23	45	0	13·974	....	14·242	......	85·2	....	+5·37·10	85 9
5	0	00	0	13·768	....	14·140	......	85·0	....	+5·37·10	85·5
5	0	30	0	14·420	....	13·700	......	84·9	....	+5·37·10	85·3
5	0	45	0	14·249	....	13·710	......	84·8	....	+5·37·10	85·1
5	1	00	0	14·523	....	13·600	......	84·6	....	+5·37·10	85·0
5	1	15	0	15·280	....	13·425	......	....	....	+5·37·10	85·0
5	1	30	0	15·485	....	13·750	......	84·5	....	+6·03·50	84·6
5	1	45	0	15·280	....	13·900	......	84·2	....	+5·49·00	84·4
5	2	00	0	14·762	....	14·100	......	84·0	....	+5·49·00	84·2
5	2	15	0	14·351	....	14·000	......	84·0	....	+5·49·00	84·1
5	2	30	0	14·249	....	14·000	......	83·9	....	+5·49·00	84·2
5	2	45	0	14·111	....	13·900	......	83·6	....	+5·49·00	84·3
5	3	00	0	13·734	....	13·875	......	83·4	....	+5·49·00	84·2
5	3	15	0	13·664	....	14·000	......	83·4	....	+5·49 00	84·2
5	3	30	0	13·974	....	14·050	......	83·3	....	+5·49·00	84·1
5	3	45	0	14·317	....	14·275	......	83·3	....	+5·49·00	84·1
5	4	00	0	14·454	....	14·700	......	83·2	....	+5·49·00	84·1
5	4	15	0	14 386	....	14·525	......	83·0	....	+5·49·00	84·0

ADDITIONAL OBSERVATIONS, DISTURBANCE DAYS, 1846.

Date and Gottingen Mean Time.				Declination Magnetometer.		Horizontal Force Magnetometer.		Thermometer of H. F. Magnetometer.		Vertical Force Magnetometer.	
				Large.	Small.	Large.	Small.	Large.	Small.	Reading.	Therm.
				At full time.	5m. after full time.	2m. after full time.	4m. after full time.	2m. after time.	4m. after time.	2m. before full time.	
D.	H.	M.	S.								
Sept. 5	5	00	0	13′974	....	14·025	....	83°0	....	+5·49·00	84°0
5	5	15	0	14·592	....	14·070	....	82·8	....	+5·49·00	84·0
5	5	30	0	14 111	....	14·275	....	82·8	....	+5·49·00	83·9
5	5	45	0	13·906	....	14·300	....	82·8	....	+5·49·00	83·9
5	6	00	0	13·906	....	14·025	....	82·3	....	+5·49·00	83·4
5	6	15	0	14·042	....	14·290	....	82·3	....	+5·49·00	83·2
5	6	30	0	14·042	....	14·525	....	82·3	....	+5·49·00	83·0
5	6	45	0	14·042	....	14·750	....	82·0	....	+5·49·00	82·9
5	7	00	0	14·111	....	14·950	....				
10	20	00	0	9·268	8′79	16·007	18·900	84·6	82°0	+5·18·20	84 0
10	21	00	0	9·613	9·29	13·980	16·805	85·0	83·0	+5·21·60	84·9
10	21	30	0	10·058	....	14·260	....	85·0	...	+5·27·50	85·2
10	22	00	0	10·641	10·48	14·390	17·210	85·1	83·3	+5·33·60	85·5
10	22	30	0	11·639	....	14·410	....	85·2	....	+5·40·90	85·6
10	23	00	0	12·119	11·95	14·525	17·700	84·9	82·6	+5·40·90	85·1
10	23	30	0	13·253	....	13·990	....	84·8	....	+5·48·00	85·1
11	00	00	0	13·768	13·52	13·260	16·080	84·1	82·0	+5·49·50	84·8
11	00	30	0	14·798	....	12·812	15·610	84·2	82·2	+6·01·45	84·7
11	1	00	0	14·592	14·35	13·397	16·480	83·7	82·0	+5·41·65	84·3
11	1	30	0	13·940	....	13·475	16·470	83·0	81·6	+5·41·65	83·9
11	2	00	0	13·768	13·42	14·245	17·390	83·0		+5·41·65	83.2
11	2	30	0	12·876	....	14·350	17·600	82·8	81·2	+5·41·65	83·5
11	3	00	0	12·601	12·42	14·600	17·720	82·4	80 9	+5·46·30	84·2
11	3	30	0	13 150	....	14·265	17·400	82·3	80·7	+5·46·30	84·2
11	4	00	0	13·219	12·95	14·357	17·410	82·0	80·6	+5·47·90	84·5
11	4	30	0	13·184	....	14·377	17·500	82·1	80·0	+5·47·90	84·5
11	5	00	0	13·906	13·94	14·262	17·225	82·0	80·0	+6·00·00	
11	5	30	0	13·974	....	14·200	17·200	82·0	80·0	+6·00·00	84·6
11	6	00	0	13·115	12·37	15·455	19·200	82·2	80·0	+5·39·90	84·9
11	6	30	0	13·115	....	15·160	18·400	82·1	80·0	+5·49·40	84·6
11	7	00	0	12·944	12·90	15·050	18·190	82·0	80·0	+5·49·40	84·6
11	7	30	0	13·219	....	14·950	17·955	81·8	80 0	+5·49·40	84·8
11	8	00	0	13·219	12·90	15·070	18·115	81·7	80·0	+5·49·40	84·9
11	8	30	0	12·394	....	15·140	18·080	81·5	80·0	+5·49·40	85·0
11	9	00	0	12·601	12·68	15·200	18·200	81·5	79·8	+5·39·00	85·0
11	9	30	0	12·533	....	15·390	18·400	81·5	79·8	+5·39·00	85·0
11	10	00	0	11·776	10·81	15·505	18·600	81·5	79·8	+5·45·70	84·5
11	10	30	0	11.157	....	15·580	18·660	81·6	79·8	+5·45·70	84·5
11	11	00	0	12·669	12·73	15·450	18·490	81·5	79·8	+6·02·00	84·5
11	11	30	0	12·669	....	15·350	18·400	81·4	79·8	+6·02·00	84·7
11	12	00	0	12·703	12·90	15·480	18·520	81·4	79·8	+6·02·00	84·8
11	12	30	0	12·978	....	15·565	18·600	81·5	79·8	+5·48·70	84·7
11	13	00	0	13·219	13·16	15·260	18·200	81·3	79·8	+6·01·40	85·0
11	13	30	0	13·389	....	15·327	18·390	81·3	79·8	+6·06·35	84·5
11	14	00	0	14·111	14·47	15·545	18·780	81·0	79·6	+6·16·00	82·5
11	14	30	0	15·280	....	15·650	18·900	81·0	79·2	+6·18·25	82·3
11	15	00	0	16·172	16·04	15·527	18·810	80·7	78·8	+6·20·30	81·8
11	15	30	0	16·274	....	15·500	18·600	80·9	78·9	+6·17·60	81·7
11	16	00	0	16·464	16·14	15·487	18·500	81·3	79·1	+6·07·10	81·8
11	16	30	0	15·828	....	15·590	18·550	81·5	79·3	+5·48·50	81·8
21	09	00	0	13·596	14·04	15·265	17·390	79·5	78·7	+5·34·10	81·8
21	09	30	0	14·592	....	15·790	....	79·4	....	+5·34·10	81·7
21	10	00	0	13·906	13·94	15·810	17·920	79·3	78·7	+5·34·10	81·8
21	10	30	0	13·700	....	15·845	....	79·3	....	+5·34·10	81·9
21	11	00	0	13·355	13·42	15·990	18·080	79·2	78·7	+5·34·10	82·0
21	15	00	0	17·339	17·34	15·405	17·150	79·7	77·0	+5·40·20	80·1
21	15	30	0	18·025	....	15·477	17·485	79·7	77·2	+5·40·20	80·0
21	16	00	0	16·378	16·64	15·910	18·170	79·1	76·4	+5·31·60	79·3
21	16	30	0	15·623	....	15·790	17·740	79·3	76·5	+5·31·60	79·2
21	17	00	0	14·798	14·47	15·625	17·480	79·7	77·0	+5·17·75	79·3
21	17	30	0	13·115	....	15·450	17·250	80·0	77·2	+5·15·00	79·5

ADDITIONAL OBSERVATIONS, DISTURBANCE DAYS, 1846.

Date and Gottingen Mean Time.				Declination Magnetometer.		Horizontal Force Magnetometer.		Thermometer of H. F. Magnetometer.		Vertical Force Magnetometer.	
				Large.	Small.	Large.	Small.	Large.	Small.	Reading.	Therm.
				At full time.	5m. after full time.	2m after full time.	4m after full time.	2m aftertime.	4m. after time.	2m before full time.	
D.	H.	M.	S.								
Sep. 21	18	00	0	11′·981	11′·33	15·710	17·520	80°·5	77°·5	+5·02·25	80°·0
21	18	30	0	10·128	....	15·360	17·120	80·9	77·9	+5·02·25	80·6
21	19	00	0	8·685	8·71	15·110	16·850	81·2	78·0	+4·45·60	80·7
21	19	30	0	8·755	....	14·850	16·550	81·8	78·6	+4·45·60	80·9
21	20	00	0	9·372	9·24	14·575	16·280	82·1	78·8	+5·06·00	81·4
21	20	30	0	9·990	....	14·200	15·800	82·4	79·0	+5·01·95	81·5
21	20	45	0	10·471	....	14·155	15·780	82·6	79·4	+5·11·95	81·9
21	21	00	0	10·607	10·69	14·130	15·650	82·8	79·6	+5·11·95	82·0
21	21	15	0	11·293	....	13·810	15·205	82·9	79·8	+5·16·50	82·2
21	21	30	0	11·673	....	13·640	15·070	83·0	80·0	+5·16·50	82·5
21	21	45	0	11·981	....	13·505	14·900	83·2	80·0	+5·16·50	82·9
21	22	00	0	12·256	11·37	13.250	14·620	83·3	80·3	+5·08·10	83·0
21	22	15	0	12·635	....	12·950	14·400	83·0	80·2	+5·08·10	83·1
21	22	30	0	12·463	....	13·025	14·320	83·0	80·3	+5·08·10	83·0
21	22	45	0	13·150	....	12·350	13·610	83·2	80·4	+5·15·30	83·0
21	23	00	0	13·493	13·42	12·110	13·440	83·2	80·4	+5·15·30	83·1
21	23	15	0	14·042	....	12·000	13·250	83·0	80·4	+5·15·30	83·1
21	23	30	0	14·042	....	11·950	13·220	83·0	80·4	+5·08·40	83·1
21	23	45	0	14·249	....	11·910	13·040	83·0	80·4	+5·08·40	83·4
22	00	00	0	14·867	14·47	12·050	13·180	82·8	80·5	+5·08·40	83·5
22	00	15	0	14·609	....	11·750	12·790	82·6	80·4	+5·08·40	83·7
22	00	30	0	14·936	....	11·740	12·880	82·4	80·3	+5·08·40	83·5
22	00	45	0	14·798	....	11·782	12·810	....	80·0	+5·08·40	83·2
22	1	00	0	15·074	14·47	11·900	12·950	82·0	80·0	+5·11·45	82·8
22	1	15	0	15·108	....	12·380	13·600	82·0	80·0	+5·11·45	82·7
22	1	30	0	15·450	....	12·990	14·300	82·0	80·0	+5·18·00	82·5
22	1	45	0	14·936	....	13·320	14·560	82·0	80·0	+5·18·00	82·5
22	2	00	0	14·919	14·93	12·275	13·200	81·5	80·0	+5·20·15	82·7
22	2	15	0	15·640	....	11·860	12·990	81·4	79·8	+5·20·15	83·2
22	2	30	0	16·292	....	12·052	13·190	81·4	79·8	+5·15·00	83·2
22	2	45	0	16·292	....	12·220	13·310	81·3	79·7	+5·12·50	83·3
22	3	00	0	16·687	16·56	12·170	13·300	81·3	79·7	+5·12·95	83·3
22	3	15	0	16·309	....	12·210	13·390	81·3	79·6	+5·12·95	83·7
22	3	30	0	15·897	....	12·210	13·380	81·3	79·6	+5·09·25	83·7
22	3	45	0	15·519	....	12·167	13·380	81·2	79·6	+5·02·55	83·8
22	4	00	0	16·034	15·61	12·162	13·300	81·1	79·6	+5·05·85	83·6
22	4	15	0	15·623	....	12·047	13·250	81·0	79·6	+5·09·55	83·5
22	4	30	0	15·450	....	12·000	13·210	81·0	79·6	+5·09·55	83·5
22	4	45	0	16·000	....	12·025	13·250	81·0	79·7	+5·14·75	83·3
22	5	00	0	15·623	15·62	11·975	13·150	81·0	79·6	+5·14·75	83·3
22	5	15	0	15·519	....	12·150	13·420	81·0	79·5	+5·14·75	83·5
22	5	30	0	15·519	....	12·245	13.590	81·0	79·3	+5·14·75	83·5
22	5	45	0	15·760	....	12·470	13·800	81·0	79·4	+5·20·65	83·4
22	6	00	0	14·901	11·47	12·050	13·300	81·0	79·3	+5·24·15	83·3
22	6	15	0	15·108	....	12·205	13·500	80·9	79·1	+5·24·15	83·2
22	6	30	0	15·142	....	12·670	14·100	80·8	79·0	+5·17·00	83·2
22	6	45	0	14·179	....	13·080	14·400	80·8	79·0	+5·17·00	83·3
22	7	00	0	14·249	14·04	12·925	14·200	80·6	79·0	+5·17·00	83·3
22	7	15	0	15·004	....	13·315	14·800	80·6	78·9	+5·17·00	83·2
22	7	30	0	15·211	....	14·220	15·700	80·5	78·8	+5·17·00	83·2
22	7	45	0	14·111	....	14·630	16·100	80·5	78·7	+5·17·00	83·0
22	8	00	0	14·523	13·94	14·600	16·010	80·5	78·5	+5·17·00	83·2
22	8	15	0	13·906	....	14·600	15·940	80·4	78·4	+5·17·00	83·3
22	8	30	0	13·906	....	14·700	16·190	80·4	78·4	+5·21·80	83·3
22	8	45	0	14·592	....	14·490	15·820	80·4	78·4	+5·27·70	83·3
22	9	00	0	15·142	14·57	14·250	15·530	80·4	78·1	+5·31·30	83·0
22	9	30	0	13·287	....	14·400	15·880	80·4	78·0	+5·27·20	82·8
22	9	45	0	13·562	....	14·585	16·000	80·3	78·0	+5·27·20	82·7
22	10	00	0	13·425	13·00	14·675	16·440	80·3	78·0	+5·32·70	82·6
22	10	15	0	13·219	....	15·350	16·950	80·3	78·0	+5·30·30	82·5
22	10	30	0	13·184	....	15·215	16·800	80·4	78·0	+5·30·30	82·4
22	10	45	0	13·219	....	14·880	16·500	80·4	78·0	+5·30·30	82·4
22	11	00	0	13·184	12·90	14·510	16·140	80·4	78·0	+5·34·80	82·4
22	11	15	0	13·219	....	14·375	16·000	80·4	78·0	+5·34·00	82·4

ADDITIONAL OBSERVATIONS, DISTURBANCE DAYS, 1846.

Date and Gottingen Mean Time.				Declination Magnetometer.		Horizontal Force Magnetometer.		Thermometer of H. F. Magnetometer.		Vertical Force Magnetometer.	
				Large.	Small.	Large.	Small.	Large.	Small.	Reading.	Therm.
				At full time.	5m. after full time.	2m. after full time.	4m. after full time.	2m. after time.	4m. after time.	2m. before full time.	
D.	H.	M.	S.								
Sep. 22	11	30	0	13·253	....	14·280	16·040	80·3	78·0	+5·34·00	82·3
22	11	45	0	10·539	....	15·420	17·490	80·1	77·9	+5·26·15	82·3
22	12	00	0	11·879	11·85	15·485	17·390	80·0	77·8	+5·27·10	82·3
22	12	15	0	12·944	....	15·265	17·000	80·0	77·6	+5·36·50	81·9
22	12	30	0	13·236	....	15·085	16·710	79·9	77·6	+5·33·45	81·9
22	12	45	0	13·013	....	15·025	16·700	79·8	77·6	+5·33·45	81·9
22	13	00	0	13·047	12.90	15·110	16·680	79·7	77·6	+5·33·45	81·9
22	13	15	0	13·389	....	15·070	16·700	79 7	77·5	+5·39·75	81·9
22	13	30	0	13·802	....	15·092	16·600	79·7	77·5	+5·39·75	81·8
22	13	45	0	14·128	....	15·050	16·600	79·9	77·5	+5 39·75	81·8
22	14	00	0	14·523	14·35	14·987	16·580	79·9	77·4	+5·42·00	81·5
22	14	15	0	14·609	....	14·882	16·500	80·0	77·4	+5·42·00	81·2
22	14	30	0	14·953	....	14·745	16·390	80·0	77·4	+5·42·00	80·8
22	14	45	0	15·074	....	14·662	16·390	80·0	77·4	+5·42·00	80·8
22	15	00	0	14·970	14·57	14·827	16·450	80·2	77·6	+5·42·00	80·7
22	15	15	0	14·762	....	15·047	16·800	80·3	77·6	+5·42·00	80·7
22	15	30	0	14·762	....	15·050	16·450	80·4	77·5	+5·36·70	80·7
22	15	45	0	14·728	....	14·960	16·720	80·4	77·6	+5·36·70	80·5
22	16	00	0	14·283	13·94	15·070	16·700	80·4	77·8	+5·36·70	80·5
22	16	15	0	14·111	....	15·075	16·700	80·7	78·0	+5·36·70	80·7
22	16	30	0	13·768	....	15·275	16·800	81·0	78·2	+5·36·70	80·9
22	16	45	0	13·562	....	15·320	16·820	81·4	....	+5·36·70	81·2
22	17	00	0	13·355	12·90	15·350	16·850	81·8	79·0	+5·26·15	81·4
22	17	15	0	13·184	....	15·360	16·850	82·2	79·4	+5·26·15	81·5
22	17	30	0	12·703	....	15·485	17·000	82·5	79·6	+5·26·15	81·7
22	17	45	0	12·360	....	15·375	16·900	82·7	79·7	+5·26·15	81·9
22	18	00	0	11·363	10·91	15·450	16·950	82·9	79·9	+5·18·75	82·5
22	18	15	0	11·157	....	15·350	16·930	83·2	80·0	+5·18·75	82·6
22	18	30	0	10·814	....	15·450	17·000	83·2	80·2	+5·10·75	82·7
22	18	45	0	10·641	....	15·475	17·080	83·3	80·3	+5·18·75	82·8
Oct. 2	15	00	0	15·348	15·61	15·645	15·620	....	....	....	81·0
2	15	15	0	15·519	....	15·637	15·500	80·4	78·2	+5·43·30	81·2
2	15	30	0	15·468	....	15·762	15·700	80·8	78·5	+5·43·30	81·3
2	15	45	0	15·382	....	15·900	15·820	81·3	78·5	+5·41·05	81·5
2	16	00.	0	15·485	15·51	15·900	15·830	81·9	79·0	+5·41·05	81·7
2	16	15	0	15·433	....	15·957	15·940	....	79·2	+5·41·05	81·9
2	16	30	0	15·263	....	15·950	15·990	....	79·4	+5·41·05	82·3
2	16	45	0	15·142	....	16·000	16·055	....	79·6	+5·41·05	82·5
7	16	15	0	13·768	....	14·605	14·800	84·0	80·4	+0·05·60	83·6
7	16	30	0	12·876	....	14·600	14·700	84·0	80·2	–0·05·70	83·5
7	17	00	0	13·527	13·47	14·060	14·060	84·7	81·0	+0·01·20	84·0
7	17	15	0	13·734	....	13·950	13·845	85·0	81·0	+0·01·20	84·4
7	17	30	0	13·613	....	13·585	13·400	85·2	81·8	–0·04·65	
7	18	00	0	13·906	13·94	13·645	13·525	85·8	82·0	–0 04·65	85·2
7	18	30	0	13·047	....	14·027	14·095	86·0	82·4	–0·20·00	85·5
7	19	00	0	12·876	12·90	13·850	13·900	86·6	82·8	–0·10·75	86·0
7	19	30	0	12·428	....	13·750	13·650	86·9	83·2	–0·10·75	86·3
7	20	00	0	11·913	12·37	14·060	13·900	87·0	84·0	–0·14·60	86·5
7	20	30	0	12·682	....	13·852	13·710	87·1	84·2	–0·01·05	87·0
7	21	00	0	13·871	13·68	13·695	13·580	87·3	84·6	+0·13·70	87·3
7	21	30	0	13·906	....	13·940	13·900	87·7	84·9	+0·19·50	87·6
7	22	00	0	13·906	13·83	14·170	14·200	87·9	85·2	+0·19·50	88·0
7	22	30	0	13·562	....	14·120	14·160	88·0	85·4	+0·24·30	88·5
7	23	00	0	13·562	13·42	14·250	14·270	88·0	85·6	+0·24·30	88·6
7	23	30	0	13·355	....	13·680	13·890	87·8	85·4	+0·32·30	88·6
8	00	00	0	14·018	13·94	13·305	13·280	87·1	84·7	+0·32·30	87·9
8	00	15	0	13·940	....	12·660	12·520	87·1	84·4	+0·32·30	
8	00	30	0	13·974	....	12·090	12·000	87·0	84·3	+2·28·80*	
8	00	45	0	13·630	....	11·640	11·480	87·0	84·0	+0·27·55	87·0
8	1	00	0	14·076	13·96	11·732	11·700	87·0	84·2	+0·30·30	87·0
8	1	15	0	14·317	....	11·872	11·800	86·7	83·8	+0·30·30	86·8
8	1	30	0	14·798	....	11·960	11·780	86·5	83·8	+0·35·65	86·5

* Magnet disturbed by the Sun's rays falling upon it.

ADDITIONAL OBSERVATIONS, DISTURBANCE DAYS, 1846.

Date and Gottingen Mean Time.				Declination Magnetometer.		Horizontal Force Magnetometer.		Thermometer of H. F. Magnetometer.		Vertical Force Magnetometer.	
				Large.	Small.	Large.	Small.	Large.	Small.	Reading.	Therm.
				At full time.	5m. after full time.	2m. after full time.	4m. after full time.	2m. after time.	4m. after time.	2m. before full time.	
D.	H.	M.	S.								
Oct. 8	1	45	0	14°·728	....	11·900	11·700	86°·3	83°·9	+0·35·65	86°·5
8	2	00	0	14·660	14·47	11·985	11 820	86·4	84·0	+0·35·65	86·8
8	2	15	0	14·488	....	12·077	11·980	86·3	84·0	+0·30·50	87·3
8	2	30	0	14·901	....	12·212	12·300	86·3	83·9	+0·30·50	87·5
8	2	45	0	14·592	....	12·277	12·400	86·2	84·0	+0·30·50	87·8
8	3	00	0	15·021	15·45	12·785	13·100	86·1	84·0	+0·24·15	88·1
8	3	15	0	14·901	....	12·900	12·980	86·0	83·8	+0·24·15	88·2
8	3	30	0	14·867	....	12·600	12·720	86 0	83·5	+0·24·15	88·2
8	3	45	0	14·592	....	12·120	12·550	....	82·6	+0·24·15	88·2
8	4	00	0	14·745	14·93	12·200	12·790	84·8	81·2	+0·24·15	....
8	4	15	0	14·953	....	12·275	12·800	....	80·0	+0·25·50	87·0
8	4	30	0	15·004	....	12·472	13·300	84·0	80·0	+0·25·50	86·5
8	4	45	0	14·745	....	12·655	13·400	83·7	79·6	+0·25·50	86·2
8	5	00	0	14·901	14·88	13·465	14·210	83·6	79·4	+0·27·65	86·2
8	5	15	0	14·420	....	13·667	14·390	83·6	79·3	+0·24·10	86·2
8	5	30	0	14·660	....	13·957	14·750	....	79·0	+0·29·70	....
8	5	45	0	14·386	....	14·372	15·000	83·9	79·0	+0·27·60	86·2
8	6	15	0	13·355	13·94	14·250	14·820	83·7	78·6	+0·27·60	86·0
8	6	30	0	13·785	....	14·100	14·650	83·6	78·6	+0·27·60	86·0
8	6	45	0	13·562	....	13·975	14·400	83·6	78·4	+0·29·05	86·0
8	7	00	0	13·940	13·94	14·000	14·445	83·6	78·2	+0 29·75	86 1
8	7	15	0	14·042	....	13·955	14·325	83·6	78·4	+0·23·65	86·1
8	7	30	0	14·283	....	13·840	14·250	83·5	78·4	+0·23·65	86·1
8	7	45	0	14·901	....	13 835	14·275	83·5	78·4	+0·23·65	86·1
8	8	00	0	13·871	13·97	13·975	14·400	83·4	78·4	+0·21·00	86·0
8	8	15	0	13·975	....	14·095	14·450	83·4	78·4	+0·21·00	86·0
8	8	30	0	13·630	....	14·195	14·570	83·1	78·7	+0·21·00	86·0
8	8	45	0	13·425	....	14·295	14·700	83·1	78·7	+0·23·70	86·0
8	9	00	0	13·871	13·83	14·330	14·780	83·0	78·7	+0·26·10	85·5
8	9	15	0	13·664	....	14·300	14·800	83·0	78·6	+0·31·80	85·3
8	9	30	0	13·768	....	14·402	14·900	83·0	78·4	+0·31·80	85·2
8	9	45	0	13 700	....	14·365	14·940	82·9	78·0	+0·31·80	85·0
8	10	00	0	13·768	13·94	14·470	15·000	82·8	78·0	+0·26·40	84·9
8	10	15	0	13·802	....	14·525	15·000	82·7	78·0	+0·26·40	84·9
8	10	30	0	13·802	....	14·540	15·020	82·6	78·0	+0·26·40	84·8
8	11	00	0	13·768	13·94	14·680	15·100	82·5	78·0	+0·26·40	84·9
8	11	15	0	13·545	....	14·715	15·130	82·6	78·0	+0·26·40	85·0
8	11	30	0	13·700	....	14·735	15·120	82·4	78·0	+0·26·40	85·0
8	11	45	0	13·493	....	14·815	15·180	82·3	78·0	+0·26·40	85·0
8	12	00	0	13·647	13·74	14·720	15·120	82·2	78·0	+0·26·40	85·0
8	12	15	0	13·408	....	14·722	15·190	82·3	77·8	+0·27·90	85·2
8	12	30	0	13·304	....	14·757	15·200	82·3	77·8	+0·27·90	85·2
8	12	45	0	13·961	....	14·790	15·210	82·2	77·7	+0·27·90	85·2
8	13	00	0	13·219	13·42	14 835	15·200	82·3	77·8	+0·32·50	84·7
8	13	15	0	13·527	....	14·820	15·200	82·3	77·8	+0·36·15	84·6
8	13	30	0	13·355	....	14·830	15·190	82·3	77·8	+0 34·70	84·7
8	13	45	0	13·596	....	14·932	15·200	82·2	77·8	+0·34·70	84·7
8	14	00	0	13·871	13·94	14·985	15·280	82·0	....	+0·34·70	84·7
9	23	00	0	12·876	12·47	14·125	14·000	86·6	84·0	+0·24·40	87·4
9	23	30	0	13·150	....	13·890	13·790	86·8	84·0	+0 31·10	87·6
9	23	45	0	13·359	....	13·790	13·690	86·6	84·0	+0·33·80	87·6
10	0	00	0	13·630	....	13·600	13·440	86·6	84 0	+0·33·80	87·7
10	0	15	0	13·768	....	13·440	13·280	86·5	84·0	+0·33·80	87·5
10	0	30	0	14·111	....	13·295	13·100	86·3	84·0	+0·33·80	87·5
10	0	45	0	14·249	....	13·160	12·970	86·3	84·0	+0·33·80	87·3
10	1	00	0	14·249	....	13·060	12·875	86·1	83·9	+0·33·80	87·1
10	1	15	0	14·249	....	12·970	12·770	86·0	83·9	+0·33·80	86·7
10	1	30	0	14·523	....	13·000	12·870	85·8	83·9	+0·33·80	86·4
10	1	45	0	14·454	....	18·070	12·950	85·5	84·0	+0·38·50	86·3
10	2	00	0	14·523	....	13·075	12·950	85·5	84·0	+0 38·50	86·6
10	2	15	0	14·660	....	13·050	12·950	85·5	84·0	+0·38·50	87·0
10	2	30	0	14·317	....	12·930	12·800	85·3	83·8	+0·38 50	87·4
·10	2	45	0	14·728	....	12·830	12·750	85·2	83·7	+0·38·50	87·1
10	3	00	0	14·728	....	12·910	12·890	85·2	83·7	+0·38·50	87·3

ADDITIONAL OBSERVATIONS, DISTURBANCE DAYS, 1846.

Date and Gottingen Mean Time.				Declination Magnetometer.		Horizontal Force. Magnetometer.		Thermometer of H. F. Magnetometer.		Vertical Force Magnetometer.	
				Large.	Small.	Large.	Small.	Large.	Small.	Reading.	Therm.
				At full time.	5m. after full time.	2m. after full time.	4m. after full time.	2m. after time.	4m. after time.	2m. before full time.	
D.	H.	M.	S.								
Oct. 10	3	15	0	14·936	....	13·025	12·990	85°2	83°7	+0·38·50	87·4
10	3	30	0	14·798	....	13·150	13·050	85·2	83·6	+0·38·50	87·4
10	3	45	0	14·832	....	13·050	13·000	85·2	83·6	+0·38·50	87·4
10	4	00	0	14·660	....	13·105	13·080	85·0	83·6	+0·38·50	87·4
10	4	15	0	14·042	....	13·125	13·150	85·0	83·4	+0·38·50	87·4
10	4	30	0	13·974	....	13·350	13·500	84·9	83·4	+0·38·50	87·4
10	4	45	0	13·871	....	13·550	13·700	84·9	83·4	+0·38·50	87·4
10	5	00	0	13·906	....	13·700	13·820	84·9	83·4	+0·38·50	87·4
10	5	15	0	13·906	....	13·700	13·835	84·9	83·4	+0·38·50	87·4
10	5	30	0	13·906	....	13·850	14·150	84·9	83·4	+0·38·50	87·4
10	5	45	0	13·837	....	14·135	14·220	84·9	83·4	+0·38·50	87·3
10	6	00	0	13·700	....	14·280	14·450	84·7	83·4	+1·06·60	87·3
10	6	15	0	13·974	....	14·270	14·446	84·7	83·4	+1·06·60	87·3
10	6	30	0	13·871	....	14·290	14·500	84·6	83·3	+1·06·60	87·3
10	6	45	0	13·906	....	14·385	14·620	84·6	83·2	+1·06·60	87·3
10	7	00	0	13·837	....	14·525	14·840	84·6	83·2	+1·06·60	87·3
11	21	00	0	12·601	12·42	14·770	14·130	87·0	84·4	+1·10·00	86·4
11	21	30	0	13·871	....	14·445	13·810	87·2	85·0	+1·16·00	87·2
11	22	00	0	14·042	13·88	14·200	13·600	87·5	85·3	+1·12·60	87·9
11	22	30	0	14·042	....	14·310	14·700	87·5	85·3	+1·16·00	88·0
11	23	00	0	14·076	13·94	14·620	14·130	87·5	85·4	+1·19·00	88·1
11	23	30	0	14·179	....	14·765	14·290	87·0	85·2	+1·19·00	88·0
12	0	00	0	14·249	14·20	14·685	14·080	87·0	85·2	+1·19·00	87·9
12	0	15	0	14·249	....	14·565	13·910	87·0	84·9	+1·19·00	87·8
12	0	30	0	14·249	....	14·525	13·890	87·0	84·9	+1·19·00	87·7
12	0	45	0	14·249	....	14·560	13·920	87·0	85·0	+1·15·20	87·5
12	1	00	0	14·454	14·47	14·565	14·010	86·7	84·8	+1·19·15	87·9
19	6	00	0	13·906	13·42	14·865	14·300	85·6	83·4	+1·39·70	88·5
19	6	30	0	13·871	....	14·797	14·205	85·5	83·2	+1·37·20	88·5
19	7	00	0	13·768	13·47	14·997	14·400	85·1	83·0	+1·37·20	88·5
19	7	30	0	13·785	....	15·262	14·800	85·0	83·0	+1·37·20	88·0
Nov. 2	1	30	0	16·618	....	14·625	11·490	87·2	86·4	–4·02·30	87·5
2	2	00	0	16·567	14·47	14·550	11·400	87·0	85·8	–3·45·95	87·6
2	2	30	0	15·862	....	14·550	11·400	86·5	85·4	–3·45·95	88·1
2	3	00	0	15·623	13·42	14·755	11·780	86·3	84·9	–3·43·85	88·2
2	3	30	0	15·485	....	15·157	12·180	86·0	85·0	–4·01·40	88·3
17	6	00	0	14·592	14·40	16·100	10·100	80·5	77·8	–6·23·25	
17	6	30	0	16·274	....	15·520	9·700	80·2	77·4	–5·33·20	82·6
17	6	45	0	17·612	....	15·675	9·800	80·1	77·2	–5·33·20	82·8
17	7	00	0	17·612	17·08	15·650	9·800	80·2	77·2	–5·42·10	82·8
17	7	30	0	17·407	....	15·585	9·602	80·0	77·2	–6·10·60	82·5
17	8	00	0	17·682	17·02	14·975	9·375	80·0	76·8	–6·23·85	
17	8	30	0	16·960	....	14·665	9·000	79·8	76·0	–6·45·10	82·5
17	9	00	0	16·172	15·45	15·250	9·620	79·4	76·0	–6·33·65	82·0
17	9	30	0	15·760	....	15·520	9·720	79·0	76·0	–6·33·65	81·8
17	10	00	0	15·828	15·04	15·725	9·880	79·0	75·8	–6·12·30	81·4
17	10	30	0	15·382	....	15·865	10·000	78·9	75·7	–6·12·30	80·9
17	11	00	0	14·626	13·99	15·875	10·120	78·8	75·2	–5·45·30	80·7
17	11	30	0	14·179	....	16·050	10·300	78·1	74·6	–5·45·30	80·3
17	12	00	0	14·042	13·52	16·300	10·310	78·0	74·1	–5·37·00	80·0
17	12	30	0	13·974	....	16·397	10·590	....	74·0	–5·13·45	79·7
17	13	00	0	13·562	12·90	16·537	10·800	77·7	73·6	–5·22·80	79·7
17	13	30	0	13·425	....	16·757	10·830	....	73·6	–5·25·50	79·5
17	14	00	0	13·974	13·31	16·830	10·980	77·5	73·6	–5·16·30	
26	2	30	0	12·601	....	17·090	11·650	81·4	79·0	–4·34·60	82·6
26	3	00	0	13·211	12·90	16·267	11·610	81·1	78·8	–4·16·05	82·7
26	3	30	0	14·592	....	16·162	10·500	81·0	78·8	–3·45·40	82·7
26	4	00	0	14·970	12·47	15·657	9·980	80·8	78·6	–4·14·90	82·8
26	4	30	0	14·660	....	15·650	9·900	80·8	78·0	–4·11·85	82·5
26	5	00	0	14·936	14·47	15·450	9·600	80·4	78·0	–4·11·85	
26	5	30	0	14·592	....	15·350	9·500	80·2	77·8	–4·21·15	82·4

ADDITIONAL OBSERVATIONS, DISTURBANCE DAYS, 1846.

Date and Gottingen Mean Time.				Declination Magnetometer.		Horizontal Force Magnetometer.		Thermometer of H. F. Magnetometer.		Vertical Force Magnetometer.	
				Large.	Small.	Large.	Small.	Large.	Small.	Reading.	Therm.
				At full time	5m. after full time.	2m. after full time.	4m. after full time.	2m. after time.	4m. after time.	2m. before full time.	
D.	H.	M.	S.								
Nov. 26	6	00	0	15′·623	15·51	14·875	8·725	79°·8	77°·6	–3·47·70	82°·3
26	6	30	0	15·529	....	14.847	8·700	79·7	77·2	–4·33·45	82·0
26	7	00	0	15·159	14·47	15·650	9·700	79·5	77·0	–5·07·10	82·2
26	7	30	0	14·076	....	16·585	10·800	79·5	77·0	–5·18·90	82·2
26	8	00	0	14·162	13·42	16·420	10·475	79·5	76·8	–4·37·00	82·3
26	8	30	0	13·700	....	16·410	10·300	79·0	76·5	–4·19·10	82·5
26	9	00	0	13·974	....	16·290	10·100	79·0	76·2	–3·46·50	82·0
26	9	30	0	13·355	13·42	16·725	10·490	79·0	76·0	–4·10·45	81·5
26	10	00	0	13·013	12 37	16·900	10·690	79·2	76·4	–4·00·40	81·5
26	10	30	0	13·527	....	16·815	10·690	79·6	76·6	–3·37·20	81·5
26	11	00	0	13·527	12·90	16·745	10·720	79·6	76·8	–4·01·10	81·8
26	11	30	0	13·081	....	16·895	10·900	79·6	76·8	–5·05·90	81·8
26	12	00	0	13·389	12·90	17·050	11·200	79·6	76·8		

BOMBAY 1846, OBSERVATIONS OF INCLINATION.

Observations of Inclination made on Tuesdays and Fridays, about four hours before and four hours after Noon.

	POLES DIRECT.				POLES INVERTED.					INCLINATION.		
	Face of Needle.				Face of Needle.							
	Direct.		Reversed.		Direct.		Reversed.		Means.			Monthly Means.
Date.	*a*	*a′*	*a″*	*a‴*	*b*	*b′*	*b″*	*b‴*		8 A. M.	4 P. M.	
JAN. 6	13°30′0	16°42′5	20°05′5	10°00′0	31°10′0	16°20′0	19°05′0	24°10′0	18°52′8			
13	13·00·0	17·10·0	19·50·0	9·40·0	31·40·0	16·15·0	19·20·0	26·25·0	19·10·0			
16	13·25·0	16·45·0	19·40·0	9·40·0	28·50·0	17·00·0	19·05·0	23·30·0	18·29·4			
20	13·10·0	16·52·5	19·37·5	9·50·0	28·57·7	17·00·0	19·20·0	24·02·5	18·37·5	19°08′5	19°02′8	19°06′1
23	13·20·0	16·45·0	20·10·0	10·40·0	33·15·0	16·00·0	19·00·0	29·10·0	19·47·5			
27	13·00·0	16·50·0	24·25·0	9·50·0	33·20·0	16·45·0	19·30·0	25·30·0	19·53·7			
30	13·10·0	16·30·0	19·30·0	10·00·0	34·30·0	16·30·0	19·30·0	19·12·5	18·51·5			
FEB.												
3	14·20·0	11·30·0	19·20·0	10·00·0	24·15·0	16·17·5	19·25 0	24·40·0	17·43·4			
6	11·55·5	11·40·0	19·30·0	8·30·0	31·00·0	16·20·0	19·25·0	26·10·0	18·03·7			
10	13·20·0	16·40·0	19·40·0	9·25·0	27·25·0	16·45·0	20·00·0	26·15·0	18·41·2			
13	13·00·0	16·30·0	19·30·0	10 40·0	34·15 0	17·00·0	19·20·0	25·40·0	19·29·3			
17	12·50·0	16·30·0	16·15·0	12·45·0	32·20·0	16·30·0	22·00·0	25·40·0	19·21·9	18·49·3	19·04·6	18·56·9
20	13·00·0	16·10·0	19·10·0	9·10·0	35·15·0	17·50·0	20·30·0	25·20·0	19 33·1			
24	12·00 0	15·50·0	19·20·0	9·15·0	35·35·0	17·00·0	19·35·0	27·30·0	19·30·6			
27	13·10·0	17·30·0	19·10·0	9·32·5	31·05·0	17·10·0	20·10·0	25·50·0	19·12·2			
MAR.												
3	13·20·0	12·40·0	19·20·0	9·50·0	30·50·0	17·30·0	20·15·0	24·20·0	18·35.1			
6	13·10·0	16·30 0	19·40·0	9·50·0	29·45·0	17·00·0	20·05·0	24·55·0	18·51·9			
10	13·30·0	16·00·0	19·40·0	10·10·0	33·05·0	17·00·0	19·40·0	24·25·0	19·11·2			
13	13·15·0	15·50·0	19·30·0	10·05·0	32·55·0	16·55·0	19·30·0	24·15·0	19·01·9			
17	13·25·0	16·40·0	19·50·0	10·40·0	29·00·0	17·20·0	19·30·0	17·25·0	17·58·7	18·31·5	18·58·7	18·45·1
23	12·50·0	16·40·0	19·40·0	9·30·0	30·25·0	17·25·0	25·10·0	19·30·0	18·53·7			
27	11·00·0	13·20·0	16·15·0	7·20·0	32·30·0	20·20·0	23·20·0	28·55·0	19·07·5			
31	10·10·0	12·42·5	14·45·0	6·20·0	30·30·0	20·15·0	23·30·0	28·40·0	18·21·2			
APRIL.												
3	9 50·0	11·50·0	15·30·0	8·10·0	33·15·0	20·05·0	22·55·0	29·40·0	18·54·4			
7	9·20·0	10·25·0	14·50·0	5·35·0	33·10·0	20·15·0	22·55·0	29 05·0	18·11·9			
10	9·25·0	11·35·0	14·50·0	6·20·0	32·17·5	20·10·0	23·10·0	29·20·0	18·23·4			
14	10·25·0	12·30·0	15·25·0	11·25·0	28·25·0	14·25·0	23·35·0	28·35·0	18·05·6	18·28·6	18·55·2	18·40·1
17	9·45·0	12·00·0	15·37·5	14·45·0	32·35·0	20·00·0	20·25·0	31·05·0	19·27·8			
21	8·25·0	12·30·0	15·00·0	9·55·0	32·25·0	20·50·0	21·50·0	30·20·0	18·46·9			
28	8·00·0	12·40·0	15·05·0	7·15·0	32·05·0	20·50·0	22·55·0	28·45·0	18·50·0			
MAY.												
1	9·40·0	11·50·0	15·30·0	4·40·0	32·50·0	20·15·0	24·00·0	31·35·0	18·47·5			
5	9·00·0	10·40·0	15·35·0	6·45·0	32·55·0	21·50·0	24·10·0	28·40·0	18·34·4			
8	9·20·0	11·12·5	15·30·0	7·30·0	36·25·0	23·10·0	25·55·0	31·20·0	20·02·8			
12	8·35·0	11·00·0	14·35·0	5·15·0	36·10·0	20·40·0	25·40·0	33·50·0	19·28·1			
15	11·40·0	11·50·0	15·00·0	7·30·0	33·45·0	21·05·0	24·15·0	30·15·0	19·25·0	19·10·5	19·30·4	19·21·3
19	10·50·0	11·30·0	14·30·0	7·20·0	36·25·0	22·20 0	24·40·0	26·55·0	19·10·9			
22	8·40·0	11·40·0	14·50·0	5·50·0	36·25·0	20·20 0	25·30·0	31·20·0	19·19·4			
26	9·10·0	11·15·0	14·30·0	6·40·0	35·55·0	20·10·0	25·30·0	32·10·0	19·28·7			
29	8·35·0	9·05·0	14·40·0	5·30.0	37·40·0	22·50·0	26·50·0	24·30·0	19·57·5			
JUNE.												
2	9·00·0	11·02·5	14·50·0	6·50·0	34·30·0	21·40·0	23·50·0	29·30·0	18·54·0			
5	9·00·0	11·20·0	13·30·0	5·40·0	35·00·0	20·40·0	24·30·0	31·00·0	18·50·0			
9	8·40·0	10·40·0	14·40·0	6·15·0	31·50·0	20·00·0	25·00·0	28·15·0	18 10·0			
12	10·40·0	11·00·0	14·30·0	7·15·0	31·10·0	20·00·0	24·10·0	27·25·0	18·19·4			
16	9·50·0	12·00·0	14·17·5	6·55·0	30·15·0	21·20·0	25·10·0	26·10·0	18·14·7	18·41·0	18·50·0	18·45·0
19	8·50·0	9·20·0	13·50·0	5·15·0	36·45·0	22·55·0	26·00·0	33·15·0	19·31·2			
23	8·40·0	9·45·0	14·20·0	6·00·0	31·05·0	23·25·0	26·25·0	30·40·0	19·10·0			
26	8·10·0	10·20·0	13·30·0	5·15·0	34·00·0	21·20·0	25·50·0	30·55·0	18·39·4			
30	9·20·0	10·20·0	14·00·0	6·05·0	33·15·0	22·30·0	26·30·0	29·30·0	18·56·2			
AUG.												
25	18·50·0	18·40·0	19·52·5	18·00·0	17·40·0	17·35·0	17·02·5	18·00·0	18·12·5			
28	18·10·0	18·50·0	18·17·5	18·37·5	18·50·0	18·25·0	19·25·0	19·05·0	18·42·5			
29	17·50·0	18·12·5	18·07·5	17·52·5	17·55·0	17·52·5	19·37·5	18·45·0	18·24·1	18·18·3	18·42·5	18·30·4
31	18·40·0	19·22·5	19·15·0	17·45·0	19·07·5	19·12·5	17·55·0	18·22·5	18·42·5			

BOMBAY 1846, OBSERVATIONS OF INCLINATION.

Daily Observations of Inclination made about four hours before and four hours after Noon on alternate days.

	POLES DIRECT.				POLES INVERTED.					INCLINATION.		
	Face of Needle.				Face of Needle.							
	Direct.		Reversed.		Direct.		Reversed.		Means.			Monthly Means.
Date.	*a*	*a′*	*a′′*	*a′′′*	*b*	*b′*	*b′′*	*b′′′*		8 A. M.	4 P. M.	
Sept. 1	18°55′0	18°14′0	18°22′5	18°45′0	17°45′0	18°45′0	18°50′0	18°20′0	18°29′6			
2	17·55·0	17·52·5	17·00·0	19·22·5	18·10·0	18·30·0	18·00·0	18·52·5	18·12·8			
4	17·50·0	19·00·0	18·22·5	18·45·0	18·37·5	19·30·0	18·10·0	19·32·5	18·43·4			
5	17·20·0	19·00·0	18·40·0	19·00·0	19·05·0	20·00·0	18·40·0	20·15·0	19·00·0			
7	17·47·5	18 45·0	19·47·5	17·50·0	18·50·0	18·40·0	18·10·0	17·10·0	18·22·5			
8	17·55·0	18·52·5	17·55·0	17·45·0	17·30·0	18·55·0	18·25·0	16·37·5	17·58·1			
9	18·15·0	17·37·5	16·52·5	17·15·0	18·25·0	17·52·0	18·15·0	17·00·0	17·40·9			
10	18·00·0	17·37·5	18·00·0	18·30·0	18·20·0	18·52·5	18·30·0	18·22·5	18·16·5			
11	17·30·0	18·57·5	17·45·0	18·00·0	18·35·0	18·15·0	18·30·0	17·37·5	18·38·7			
14	18·02·5	19·45·0	18 30·0	17·37·5	18·52·5	18·30·0	18·45·0	17·22·5	18·25·6	18°19′7	18°14′7	18°16′9
15	18·00·0	18·00·0	18·22·5	18·00·0	17·37·5	18·00·0	19·00·0	18·30·0	18·11·2			
18	17·52·5	17·25·0	17·05·0	17·40·0	19·15·0	19·00·0	18·25·0	18·15·0	18·14·7			
19	19·30·0	18·45·0	18·07·5	17·15·0	18·25·0	18·30·0	18·22·5	17·10·0	18·15·6			
21	17·22·5	18·22·5	18·15·0	17·22·5	17·22·5	18·45·0	17·30·0	18·30·0	17 56·2			
22	17·45·0	19·07·5	17·52·5	17·35·0	18·30·0	19·45·0	19·45·0	18·52·5	18·39·0			
23	17·15·0	17·37·5	19·00·0	17·45·0	18·37·5	17·30·0	18·22·5	18·07·5	18·01·9			
24	18·00·0	19·37·5	18·00·0	17·00·0	19·15·0	18·40·0	17·40·0	18·22·5	18·19·4			
25	17·15·0	19·37·5	18·02·5	16·50·0	17·52·5	18·55·0	18·30·0	17·32·5	18·04·4			
26	17·30·0	18·50·0	18·00·0	17·40·0	17·50·0	18·35·0	17·40·0	18·00·0	18·00·6			
28	16·47·5	18 07·5	17·50·0	16·45·0	17·57·5	18·20·0	18·27·0	16·30·0	17·35·6			
29	16·27·5	19·22·5	18·27·5	17·15·0	18·07·5	18·45·0	18·30·0	18·00·0	18·06·9			
30	16·25·0	18·00·0	17·15·0	17·00·0	19·07·5	18·37·5	19·15·0	17·52·0	17·56·6			
Oct.												
1	17·05·0	17·45·0	17·00·0	16·50·0	19·10·0	18·37·5	19·15·0	18·00·0	17·52·8			
2	17·00 0	17·37·5	17·07·5	17·22·5	18·22·5	19·00·0	18·30·0	18·45·0	17·54·4			
3	17·15·0	17·22·5	17·45·0	17·00·0	18·07·5	18·45·0	18·40·0	17·37·5	17·49·0			
5	16·45·0	18·52·5	17·37·5	17·00·0	18·37·5	18·45·0	18·45·0	17·45·0	18·00·9			
6	17·22·5	17·52·5	17·22·5	17·00·0	18·22·5	18·20·0	18·15·0	17·22·5	17·44·7			
7	17·15·0	17·07·5	18·22·5	17·30·0	18·52·5	18·30·0	18·15·0	18·22·5	18·01·9			
8	16·50·0	17·52·5	17·22·5	17·00·0	18·10·0	18·30·0	18·40·0	18·07·5	17·49·0			
9	17·55·0	18·15·0	19 22·5	17·30·0	18·30·0	18·15·0	18 15·0	18·40·0	18·20·3			
10	17·17·5	18·30·0	18·00·0	17·15·0	18·45·0	18·27·5	18·25·0	18·37·5	18·09·7			
13	16·22·5	19·00·0	17·22·5	17·20·0	18·37·5	18·30·0	18·20·0	17·15·0	17·50·9	17·53·9	18·03·1	17·58·0
15	17·50·0	17·52·5	18·00·0	17·15·0	18·30·0	18·30·0	19·15·0	17·50·0	18·07·8			
16	17·45·0	18·00·0	18·00·0	17·20·0	18·25·0	18·30·0	19·20·0	17·50·0	18·08·7			
17	16·45·0	17·57·5	17·27·5	17·05·0	19·22·5	17·37·5	19·00·0	18·22·5	17·57·2			
19	17·00·0	16·52·5	18·22·5	16·15·0	19·30·0	19·00·0	19·45·0	18·30·0	18·09·4			
20	18·40·0	17·22·5	18·32·5	16·15·0	18·07·5	19·00·0	18·15·0	18·30·0	18·01·6			
21	19·00·0	18·45·0	18·25·0	19·07·5	16·10·0	17·32·5	16·30·0	16·37·5	17·45·9			
22	17·52·5	16·52·5	16·15·0	16·52·5	18·52·5	18·15·0	19·07·5	18·30·0	17·49·7			
23	16·15·0	17·52·5	17·22·5	16·30·0	18·52·5	18·30·0	19·15·0	19·30·0	18·00·9			
24	16·22·5	17·15·0	16·52·5	16·30·0	18·22·5	17·30·0	17·30·0	18·07·5	17·18·7			
26	17·52·5	18·00·0	19·52·5	17·45·0	18·37·5	19·00·0	19·15·0	18·07·5	18·37·5			
27	17·37·5	16·42·5	17·37·5	17·20·0	17·52·5	18·05·0	18·00·0	19·07·5	17·47·8			
28	17·30·0	18·07·5	16·52·5	16·15·0	18 52·5	17·30·0	18·15·0	18·22·5	17·43·1			
29	17·35·0	17·45·0	16·57·5	16·20·0	18·37·5	19·20·0	19·25·0	19·07·5	18·08·4			
31	16·30·0	19·00·0	16·52·5	17·25·0	19·07·5	19·15·0	17·00·0	19·22·5	18·04·0			
Nov.												
2	16·47·5	17·07·5	16·37·5	17·15·0	18·52·5	19·15·0	19·00·0	18·50·0	17·58·1			
3	16·30·0	18·37·5	16·00·0	16·37·5	18·22·5	18·45·0	17·50·0	19·07·5	17·43·7			
5	16·42·5	17·50·0	16·52·5	16·30·0	18·00·0	19·00·0	18·45·0	18·52·5	17·56·3			
6	19·52·5	16·30·0	17·15·0	17·22·5	17·30·0	19·15·0	18·30·0	18·52·5	18·08·4			
7	16·55·0	18 30·0	16·52·5	17·20·0	18·52·5	19·00·0	18·45·0	18·22·5	18·04·7			
9	18·30·0	18·07·5	17·45·0	17·10·0	18·17·5	18·00·0	18·40·0	18·37·5	18·08·4			
10	17·15·0	17·37·5	17·12·5	17·15·0	18·07·5	17·30·0	17·15·0	18·02·5	17·31·9			
12	18·07·5	19·00·0	16·45·0	18·07·5	18·30·0	18·00·0	17·37·5	18·15·0	18·02·8			
13	18·00·0	18·37·5	17·52·5	18·10·0	18·07·5	18·30·0	17·30·0	17·52·5	18·05·0			
14	18·25·0	19·07·5	18·07·5	19·17·5	18·00·0	18·15·0	19·30·0	17·52·5	18·34·4			

BOMBAY 1846, OBSERVATIONS OF INCLINATION.

Daily Observations of Inclination made about four hours before and four hours after Noon on alternate days.

Date.	POLES DIRECT.				POLES INVERTED.				Means.	INCLINATION.		Monthly Means.
	Face of Needle.				Face of Needle.							
	Direct.		Reversed.		Direct.		Reversed.					
	a	a′	a′′	a′′′	b	b′	b′′	b′′′		8 A. M.	4 P. M.	
Nov. 17	17°50′0	18°50′0	19°07′5	18°15′0	18°22′5	17°37′5	17°35′0	18°07′5	18°13′1			
18	18·30·0	18·22·5	18·22·5	18·07·5	18·10·0	18·40·0	18·30·0	18·40·0	18·25·3	18°04′1	18°13′2	18°09′2
20	18·00·0	18·22·5	18·10·0	18·05·0	17·55·0	18·00·0	17·55·0	18·22·5	18·06·9			
21	17·00·0	18·30·0	18·37·5	17·30·0	17·15·0	19·05·0	18·07·5	18·32·5	18·04·7			
23	17·45·0	17·52·5	19·37·5	17·42·5	17·52·5	19·00·0	17·50·0	17·07·5	18·05·9			
24	17·45·0	19·22·5	18 37·5	18·00·0	18·22·0	18·40·0	17·15·0	17·50·0	18·14·0			
25	17·42·5	19·22·5	18·07·5	18·15·0	17·27·5	18·55·0	18·15·0	18·22·5	18·18·4			
26	18·02·5	17·52·5	18·22.5	17·45·0	17·20·0	19·15·0	18·30·0	18·52·5	18·15·0			
28	18·07·5	18·15·0	18·22·5	18·00·0	18·07·5	19·15·0	18·07·5	16·22·5	18·04·3			
30	17·50·0	18·22·5	18·07·5	17·20·0	19·22·5	19·45·0	17·45·0	19·07·5	18·42·5			
Dec.												
2	18·47·5	18·45·0	18·22·5	17·30·0	18·30·0	18·45·0	17.45·0	18·30·0	18·16·9			
4	18·07·5	17·52·5	17·47·5	18·20·0	17·32·5	19·15·0	18·30·0	18·30·0	18·14·4			
5	18·30·0	18·37·5	18·22·5	18·30·0	19·07·5	18·35·0	18·00·0	18·37·5	18·32·5			
7	18·55·0	18·12·5	18·37·5	17·42·5	19·07·5	18·32·5	18·10·0	18·37·5	18·29·4			
8	18·50·0	19·12·5	18·22·5	17·42·5	18·52·5	18·02·5	18·25·0	18·12·5	18·27·2			
9	17·37·5	20·07·5	19·30·0	18·22·5	18·55·0	18·32·5	17·05·0	18·22·5	18·34·0			
11	18·30·0	20·07·5	18·37·5	19·12·5	17·55·0	19·00·0	18·30·0	18·22·5	18·46·9			
15	18·22·5	18·25·0	18·07·5	18·22·5	19·00·0	19·00·0	19·00·0	17·50·0	18·30·9			
16	19·55·0	16·55·0	18·37·5	17·52·5	18·00·0	18·35·0	18·30·0	18·22·5	18·20·3	18·29·0	18·31·2	18·25·6
17	18·45·0	19·07·5	18·22·5	18·00·0	18·40·0	18.42·5	18·45·0	18·30·0	18·38·4			
18	17·25·0	18·37·5	18·55·0	18·00·0	18·57·5	18·35·0	18·22·5	18·50·0	18·29·0			
21	18·30·0	18·45·0	19·17·5	19·00·0	19·00·0	18·27·5	18·12·5	18·52·5	18·47·5			
22	18·00·0	18·30·0	19·00·0	18·30·0	18·22·5	18·45·0	18·30·0	18·22·5	18·30·0			
23	17·35·0	18·32·5	19·45·0	17·42·5	16·52·5	18·45·0	17·25·0	17·57·5	18·03·1			
24	19·37·5	19·05·0	18·15·0	18·45·0	17·40·0	19·22·5	18·45·0	18·00·0	18·41·2			
25	18·17·5	19·22·5	18·10·0	18·00·0	19·15·0	19·15·0	17·37·5	18·10·0	18·30·9			
26	17·52·5	19·12·5	17·50·0	18·30·0	19·05·0	18·17·5	17·52·5	18·22·5	18·19·0			
28	17·25·0	19·37·5	17·55·0	18·20·0	18·00·0	19·45·0	19·37·5	19·37·5	18·39·7			

BOMBAY, 1846.

METEOROLOGICAL OBSERVATIONS.

BAROMETER, N°· 58, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
JANUARY, 1846.	1	29·944	29·950	29·958	29·978	29·999	30·009	30·007	29·998	30·002	29·984	29·976	29·969
	2	29·935	29·944	29·958	29·994	30·026	30 034	30·045	30·037	30·032	30·014	29·997	29·995
	3												
	4	29·935	29·944	29·958	29·980	29·994	30·006	30·008	29·996	29·981	29·976	29·960	29·942
	5	29·900	29·903	29·917	29·940	29·961	29·968	29·973	29·966	29·960	29·940	29·925	29·924
	6	29·920	29·933	29·944	29·967	29·987	30·003	30·010	30·000	29·997	29·989	29·993	29·985
	7	30·003	30·006	30·008	30·032	30·057	30·072	30·069	30·062	30·048	30·030	30·014	30·008
	8	29·949	29·963	29·983	30·000	30·019	30·035	30·033	30·028	30·016	30·003	29·987	29·978
	9	29·932	29·937	29·950	29·965	29·987	30·003	30·003	29·997	29·982	29·963	29·948	29·937
	10												
	11	29·937	29·952	29·981	30·003	30·037	30·050	30·048	30·039	30·023	30·008	29·997	29·988
	12	29·934	29·988	30·003	30·034	30·045	30·054	30·055	30·046	30·028	30·012	29·986	29·984
	13	29·908	29·914	29·922	29·943	29·973	29·987	29·988	29·979	29·965	29·954	29·942	29·940
	14	29·936	29·946	29·959	29·991	30·014	30·031	30·026	30·016	29·997	29·988	29·979	29·968
	15	29·939	29·946	29·959	29·981	29·998	30·026	30·035	30·020	30·002	29·993	29·983	29·966
	16	29·942	29·964	29·974	29·997	30·015	30·034	30·030	30·009	29·990	29·966	29·950	29·943
	17												
	18	29·929	29·940	29·952	29·979	29·992	30·015	30·012	30·008	29·994	29 979	29·970	29·965
	19	29·939	29·948	29·957	29·972	29·987	30·000	29·992	29·990	29·978	29·964	29·935	29·945
	20	29·928	29·946	29·958	29·980	29·996	30·016	30·011	29·998	29·990	29·972	29·963	29·964
	21	29·942	29·961	29·969	29·982	29·993	29·999	30·001	29·995	29·986	29·964	29·951	29·946
	22	29·940	—	29·955	29·967	29·982	29·997	30·008	30·001	29·994	29·975	29·966	29·956
	23	29·940	29·960	29·979	29·997	30·012	30·014	30·020	30·022	30·013	30·003	29·987	29·981
	24												
	25	29·973	29·982	29·987	30·001	30·017	30·008	30·005	29·985	29·976	29·971	29·953	29·945
	26	29·952	29·973	29·981	30·005	30·020	30·028	30·025	30·023	30·012	29·995	29·985	29·979
	27	29·970	29·976	29·985	29·998	30·013	30·024	30·018	30·015	30·014	29·995	29·982	29·972
	28	29·948	29·952	29·962	29·990	30·014	30·028	30·026	30·005	29·978	29·976	29·954	29·947
	29	29·932	29·948	29·942	29·960	29·977	29·980	29·980	29·971	29·957	29·948	29·946	29·940
	30	29·900	29·899	29·905	29·920	29·947	29·965	29·962	29·957	29·938	29·927	29·908	29·881
	31												

BAROMETER, N°· 58, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
FEBRUARY, 1846.	1	29·894	29·902	29·905	29·929	29·947	29·961	29·955	29·944	29·933	29·922	29·906	29·906
	2	29·881	29 894	29·903	29·930	29·951	29·969	29·963	29·958	29·942	29·953	29·946	29·942
	3	29·931	29·948	29·964	29·984	30·001	30·020	30·028	30·021	30·015	29·993	29·971	29·962
	4	29·921	29·932	29·938	29·964	29·981	29·999	29·998	29·987	20·974	29·955	29·941	29·932
	5	29·882	29·894	29·903	29·921	29·935	29·947	29·959	29·958	29·940	29·942	29·935	29·927
	6	29·868	29·872	29·880	29·901	29·934	29·968	29·972	29·964	29·959	29·940	29·921	29·898
	7												
	8	29·882	29·884	29·892	29·894	29·912	29·929	29·931	29·923	29·915	29·901	29·884	29·870
	9	29·840	29·847	29·848	29·856	29·875	29·885	29·885	29·874	29·860	29·850	29·849	29·843
	10	29·848	29·858	29·847	29·866	29·884	29·897	29·898	29·889	29·876	29·858	29·850	29·852
	11	29 861	29·863	29·868	29·877	29·897	29·909	29·910	29·904	29 895	29·885	29·871	29·867
	12	29·859	29·867	29·878	29·890	29·906	29·918	29·920	29·914	29·904	29·890	29·877	29·865
	13	29·862	29·866	29·878	29·897	29·910	29·920	29·929	29·922	29·921	29·901	29·894	29·893
	14												
	15	29·901	29·902	29·910	29·935	29·960	29·985	29·990	29·983	29·962	29·931	29·926	29·919
	16	29·889	29·902	29·915	29·937	29·966	29·984	29·990	29·984	29·970	29·942	29·928	29·928
	17	29·896	29·911	29·923	29·937	29·956	29·963	29·964	29·956	29·947	29·928	29 916	29·911
	18	29·880	29·886	29·905	29·935	29·960	29·981	29·981	29·961	29·951	29·933	29·914	29·897
	19	29·894	29·908	29·924	29·951	29·966	29·980	29·976	29·979	29·967	29·953	29·941	29·933
	20	29·903	29·911	29 911	29·938	29·958	29·976	29·979	29·973	29·968	29·948	29·928	29·914
	21												
	22	29·901	29·902	29·907	29·929	29·947	29·966	29·958	29 952	29·938	29·916	29·901	29·897
	23	29·872	29·881	29·883	29·901	29·929	29·963	29·968	29·973	29·968	29·959	29·948	29·938
	24	29·934	29·939	29·948	29·974	30·000	30·016	30·015	30·016	30·011	29·990	29·975	29·976
	25	29·969	29·978	29·986	29·990	30·009	30·025	30·033	30·033	30·025	30·011	29·997	29·987
	26	29·936	29·942	29·949	29·960	29·985	30·004	30·007	29·995	29·985	29·964	29·952	29·951
	27	29·930	29·946	29·962	29·982	30·009	30·037	30·045	30·039	30·028	30·009	29·991	29·982
	28	29·944	29·951	29·967	29·993	30·012	30·037	30·046	30·044	30·031	30·006	29·987	29·974
	29												
	30												
	31												

BAROMETER, N^o. 58, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

	Date. Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
JANUARY, 1846.	1	29·976	29·988	30·001	30·039	30·065	30·092	30·087	30·074	30·036	29·983	29·964	29·942
	2	30·000	30·015	30·029	30·059	30·085	30·099	30·106	30·086	30·059	30·019	29·999	29·980
	3												
	4	29·935	29·943	29·958	29·984	29·990	30·012	30 010	29·987	29·955	29·925	29·910	29·898
	5	29·924	29·946	29·960	29·987	30·016	30·027	30·024	30 005	29·974	29·935	29·919	29·914
	6	29·983	29·997	30·017	30·048	30·084	30·104	30·105	30·088	30·062	30·027	30·001	29·997
	7	30·007	30·006	30·020	30·035	30·067	30·093	30·093	30·072	30·039	29·996	29·967	29·957
	8	29·970	29·987	30·000	30·022	30·047	30·061	30·060	30·055	30·016	29·973	29·944	29·936
	9	29·947	29·957	29·982	30·005	30·030	30·062	30·060	30·036	29·995	29·953	29·932	29·918
	10												
	11	29·988	30·011	30·027	30·052	30·080	30·099	30·103	30·087	30·055	30·027	30·001	29·981
	12	29·980	29·999	30·007	30·022	30·050	30·063	30·061	30·040	29·999	29·961	29·941	29·921
	13	29·938	29·947	29·965	29·991	30·018	30·044	30·055	30·033	29·999	29·971	29·956	29·940
	14	29·962	29·965	29·979	30·005	30·042	30·065	30·071	30·049	30·024	29·993	29·967	29·940
	15	29·977	29·979	29·990	30·015	30·046	30·062	30·065	30·051	30·018	29 988	29·961	29·945
	16	29·940	29·947	29·959	30·989	30·014	30·032	30·029	30·000	29·963	29·929	29·897	29·888
	17												
	18	29.970	29·977	29·993	30·017	30·043	30·057	30·041	30·017	29·991	29·961	29·943	29·934
	19	29·953	29·971	29·982	30·007	30·017	30·029	30·014	29·992	29·966	29·940	29·923	29·824
	20	29·963	29·970	29·986	30·016	30·050	30·068	30·058	30·032	30·006	29·981	29·962	29·954
	21	29·952	29·969	29·993	30·017	30·028	30·042	30·038	30·010	29 977	29·958	29·936	29·933
	22	29·959	29·954	29 991	30·016	30·051	30·065	30·062	30·030	29·989	29·958	29·940	29·936
	23	29·974	29·995	30·006	30 044	30·070	30·088	30·086	30·056	30·034	30·002	29·990	29·982
	24												
	25	29·937	29·958	29·981	30·019	30·051	30·058	30·051	30·040	30·007	29·982	29·954	29·945
	26	29·982	29·988	30·000	30·015	30·048	30·079	30·074	30·062	30·024	30·018	29·980	29·964
	27	29·980	29·991	30·014	30·037	30·071	30·090	30·089	30·057	30·031	29·996	29·977	29·954
	28	29·959	29·966	29·986	30·008	30·032	30·049	30·044	30·025	29·999	29·970	29.947	29·932
	29	29·940	29·943	29·951	29·972	29·998	30·018	30·005	29·989	29·957	29·930	29·909	29·898
	30	29·881	29 890	29·903	29·929	29·954	29·968	29·958	29·936	29·903	29·871	29·849	29·835
	31												

BAROMETER, N^o. 58, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

	Date. Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
FEBRUARY, 1846.	1	29·907	29·900	29·908	29·937	29·960	29·987	29·983	29·965	29·923	29·891	29·885	29·879
	2	29·946	29·945	29·965	29·985	30·009	30·031	30·038	30·005	29·978	29·945	29·918	29·921
	3	29·956	29 965	29·985	30·006	30·028	30·055	30·051	30·034	30·000	29·968	29·941	29·926
	4	29·934	29·935	29·963	29·987	30·010	30·027	30·016	29·994	29·974	29·932	29·901	29·883
	5	29·912	29·921	29·946	29·972	29·999	30·022	30·020	29·989	29·955	29·910	29·880	29·866
	6	29·910	29·917	29·950	29·972	29·995	30·018	30·016	29·995	29·962	29·925	29·902	29·888
	7												
	8	29·874	29·880	29·892	29·916	29·936	29·953	29·955	29·938	29·905	29·874	29·855	29·840
	9	29·841	29·849	29·870	29·900	29·920	29·946	29·943	29·937	29·907	29·875	29·851	29·846
	10	29·851	29·858	29·877	29·896	29·920	29·945	29·948	29·938	29·917	29·886	29·865	29·856
	11	29·872	29·881	29·899	29·913	29·942	29·966	29·966	29·952	29·931	29·897	29·872	29·857
	12	29·863	29·883	29·902	29·933	29·956	29·984	29·990	29·979	29·947	29·905	29 885	29·866
	13	29·896	29·914	29·930	29·956	29·965	29·988	29·996	29·973	29·937	29·911	29·893	29·877
	14												
	15	29·919	29·937	29·962	29·977	29·997	30·010	30·010	29·993	29·970	29·927	29·897	29·883
	16	29·931	29·952	29·975	30·004	30·022	30·037	30·042	30·021	29·992	29·952	29·917	29·899
	17	29·908	29·926	29·947	29·977	29·997	30·017	30·008	29·993	29·958	29·923	29·905	29·887
	18	29·999	29·913	29·937	29·962	29·990	30·002	30·004	29·988	29·954	29·927	29·907	29·895
	19	29·925	29·940	29·958	29·987	30·011	30·030	30·028	30·010	29·973	29·944	29·924	29·905
	20	29·916	29·933	29·943	29·977	29·998	30 027	30·028	30·015	29·987	29·959	29·941	29·928
	21												
	22	29·898	29·900	29·918	29·950	29·967	29·985	29·986	29·974	29·947	29·915	29·892	29·878
	23	29·937	29·952	29·972	30·001	30·023	30·045	30·043	30·029	29·993	29·965	29·946	29·932
	24	29·977	29·982	30·004	30 039	30·057	30·082	30·082	30·072	30·048	30·015	29·989	29·975
	25	29·991	29·993	30·010	30·037	30·060	30 079	30·068	30·051	30·021	29·984	29·958	29·939
	26	29·953	29·961	29·980	30·013	30·040	30·061	30·059	30·036	30·002	29·970	29·940	29·926
	27	29·974	29·979	30·005	30·037	30·054	30·060	30·057	30·038	30·013	29·992	29·964	29·950
	28	29·970	29·975	29·996	30·032	30·051	30·074	30·079	30·064	30·028	29·990	29·958	29·947
	29												
	30												
	31												

BAROMETER, Nº· 58, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
MARCH, 1846.	1												
	2	29·941	29·941	29·945	29·958	29·973	29·980	29·982	29·977	29·964	29·945	29·933	29·926
	3	29·871	29·867	29·873	29·886	29·916	29·927	29·918	29·905	29·891	29·885	29·871	29·869
	4	29·925	29·942	29·948	29·967	29·994	30·009	30·010	30·006	29·995	29·975	29·957	29·945
	5	29·923	29·933	29·938	29·952	29·973	29·982	29·990	29·984	29·972	29·960	29·951	29·941
	6	29·922	29·915	29·920	29·934	29·950	29·954	29·949	29·935	29·931	29·923	29·898	29·900
	7												
	8	29·824	29·828	29·833	29·865	29·877	29·894	29·903	29·894	29·893	29·878	29·870	29·850
	9	29·854	29·856	29·858	29·887	29·897	29·912	29·905	29·894	29·881	29·881	29·859	29·856
	10	29·846	29·857	29·866	29·889	29·911	29·929	29·935	29·917	29·893	29·877	29·857	29·855
	11	29·837	29·845	29·858	29·869	29·885	29·895	29·901	29·891	29·875	29·856	29·839	29·830
	12	29·805	29·799	29·806	29·816	29·833	39·856	29·858	29·845	29·831	29·813	29·797	29·794
	13	29·806	29·815	29·824	29·851	29·873	29·884	29·889	29·885	29·879	29·853	29·838	29·836
	14												
	15	29·884	29·893	29·895	29·899	29·906	29·926	29·931	29·922	29·917	29·908	29·901	29·892
	16	29·826	29·822	29·825	29·838	29·849	29·865	29·882	29·866	29·851	29·842	29·829	29·821
	17	29·776	29·780	29·790	29·795	29·813	29·831	29·843	29·837	29·834	29·832	29·824	29·821
	18	29·818	29·826	29·831	29·842	29·853	29·866	29·866	29·861	29·853	29·841	29·837	29·835
	19	29·832	29·837	29·845	29·866	29·888	29·901	29·905	29·893	29·885	29·856	29·841	29·840
	20	29·808	29·817	29·832	29·851	29·859	29·883	29·876	29·867	29·857	29·837	29·819	29·816
	21												
	22	29·805	29·805	29·809	29·816	29·832	29·858	29·865	29·862	29·861	29·844	29·828	29·833
	23	29·778	29·773	29·776	29·785	29·805	29·815	29·832	29·827	29·816	29·795	29·778	29·772
	24	29·765	29·774	29·793	29·823	29·844	29·872	29·875	29·868	29·857	29·837	29·826	29·821
	25	29·768	29·776	29·802	29·841	29·869	29·874	29·878	29·879	29·861	29·839	29·824	29·808
	26	29·803	29·804	28·817	29·832	29·844	29·864	29·870	29·867	29·859	29·841	29·821	29·816
	27	29·759	29·761	29·782	29·789	29·796	29·817	29·827	29·825	29·821	29·811	29·798	29·790
	28												
	29	29·790	29·791	29·802	29·816	29·838	29·844	29·850	29·849	29·839	29·832	29·820	29·809
	30	29·774	29·771	29·784	29·793	29·811	29·838	29·843	29·844	29·841	29·827	29·819	29·811
	31	29·819	29·821	29·832	29·844	29·865	29·881	29·893	29·888	29·879	29·878	29·853	29·851

BAROMETER Nº· 58, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

Date Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
APRIL, 1846	1	29·818	29·819	29·815	29·820	29·838	29·854	29·861	29·852	29·835	29·829	29·806	29·793
	2	29·795	29·803	29·813	29·816	29·831	29·842	29·845	29·841	29·835	29·827	29·811	29·795
	3	29·805	29·810	29·822	29·832	29·839	29·855	29·864	29·862	29·854	29·842	29·828	29·821
	4												
	5	29·788	29·791	29·810	29·819	29·827	29·837	29·840	29·835	29·826	29·811	29·806	29·791
	6	29·749	29·738	29·755	29·766	29·781	29·796	29·809	29·802	29·795	29·778	29·773	29·763
	7	29·701	29·702	29·722	29·745	29·764	29·786	29·801	29·807	29·793	29·786	29·767	29·753
	8	29·777	29·776	29·782	29·791	29·792	29·807	29·823	29·820	29·813	29·802	29·794	29·780
	9	29·741	29·740	29·754	29·772	29·788	29·799	29·801	29·802	29·794	29·779	29·763	29·762
	10	29·723	29·723	29·732	29·747	29·763	29·784	29·801	29·792	29·783	29·775	29·742	29·737
	11												
	12	29·821	29·822	29·831	29·839	29·856	29·875	29·880	29·874	29·851	29·842	29·829	29·821
	13	29·729	29·729	29·717	29·723	29·745	29·778	29·792	29·753	29·783	29·792	29·774	29·770
	14	29·737	29·735	29·754	29·764	29·790	29·809	29·823	29·817	29·805	29·804	29·790	29·779
	15	29·756	29·765	29·778	29·796	29·822	29·831	29·828	29·827	29·825	29·798	29·784	29·769
	16	29·764	29·763	29·775	29·791	29·811	29·827	29·827	29·826	29·812	29·804	29·793	29·789
	17	29·723	29·728	29·735	29·747	29·757	29·775	29·783	29·785	29·776	29·776	29·763	29·761
	18												
	19	29·784	29·794	29·816	29·826	29·838	29·848	29·851	29·855	29·834	29·817	29·790	29·787
	20	29·811	29·814	29·818	29·831	29·847	29·862	29·871	29·869	29·851	29·839	29·825	29·807
	21	29·751	29·737	29·741	29·761	29·780	29·811	29·825	29·817	29·799	29·787	29·772	29·765
	22	29·717	29·717	29·730	29·752	29·767	29·783	29·803	29·797	29·787	29·798	29·799	29·777
	23	29·724	29·727	29·761	29·805	29·811	29·844	29·853	29·834	29·827	29·825	29·815	29·805
	24	29·769	29·769	29·789	29·836	29·862	29·862	29·868	29·876	29·846	29·821	29·807	29·803
	25												
	26	29·726	29·740	29·775	29·782	29·794	29·824	29·835	29·827	29·804	29·793	29·770	29·753
	27	29·740	29·739	29·752	29·761	29·773	29·784	29·794	29·801	29·785	29·782	29·769	29·763
	28	29·713	29·695	29·709	29·722	29·736	29·762	29·781	29·783	29·776	29·775	29·767	29·757
	29	29·746	29·748	29·755	29·776	29·792	29·806	29·812	29·808	29·800	29·790	29·784	29·786
	30	29·745	29·747	29·761	29·771	29·783	29·799	29·805	29·807	29·797	29·783	29·774	29·768
	31												

BAROMETER, N°. 58, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

Date.	Göttingen Mean Time.	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
MARCH, 1846.	1												
	2	29·920	29·924	29·952	29·974	29·995	30·003	30·000	29·983	29·947	29·924	29·901	29·878
	3	29·867	29·881	29·906	29·949	29·983	30·001	29·999	29.992	29 972	29·953	29·941	29·924
	4	29·944	29·960	29·975	30·037	30·024	30·029	30·029	30 008	29·985	29·963	29·934	29·921
	5	29·939	29·955	29·965	30·007	30·014	30·031	30·029	30·008	29·981	29·954	29·932	29·924
	6	29·905	29·906	29·918	29·933	29·963	29·973	29·975	29·955	29·930	29·901	29·872	29·849
	7												
	8	29·859	29 851	29·886	29·912	29·947	29·969	29·968	29·955	29·927	29·897	29·876	29·858
	9	29·862	29·872	29·889	29·925	29·964	29·978	29·961	29·944	29·914	29·892	29·860	29·850
	10	29·847	29·852	29·869	29·900	29·932	29·948	29·946	29·934	29 919	29·887	29·855	29·837
	11	29·832	29·842	29·863	29·900	29·911	29·924	29·920	29·906	29·874	29·853	29·824	29·801
	12	29·795	29·807	29·839	29·858	29·877	29·887	29·889	29·879	29·865	29·840	29·825	29·807
	13	29·840	29·853	29·879	29·908	29·928	29·944	29·952	29·943	29·932	29·909	29·886	29·869
	14												
	15	29·890	29·900	29·919	29·951	29·960	29·977	29.977	29·949	29·908	29·874	29·850	29·831
	16	29·812	29·812	29·828	29·846	29·363	29·869	29·864	29 854	29·833	29·811	29·790	29·776
	17	29·823	29·837	29·852	29·895	29·912	29·932	29·926	29·917	29·896	29·859	29·828	29·809
	18	29·839	29·857	29·876	29·901	29·919	29·939	29·939	29·922	29·902	29·875	29·845	29·834
	19	29·847	29·851	29·860	29·894	29·919	29·932	29·929	29·919	29·892	29·866	29·839	29·814
	20	29·819	29·836	29·858	29·880	29·906	29·925	29·924	29·895	29·884	29·864	29·851	29·828
	21												
	22	29·835	29·846	29·861	29·900	29·913	29·923	29·912	29·892	29·871	29·841	29·817	29·788
	23	29·773	29·784	29·806	29·833	29·853	29·863	29·862	29·848	29·831	29·809	29·790	29·774
	24	29·825	29·837	29·854	29·871	29·888	29·900	29·893	29·877	29·854	29·833	29·799	29·767
	25	29·815	29·815	29·846	29·860	29·892	29·915	29·922	29·908	29·886	29·866	29·843	29·817
	26	29·814	29·825	29·837	29·868	29·896	29·904	29·899	29·889	29 870	29·835	29·806	29·777
	27	29·792	29·804	29·830	29·849	29·876	29·885	29·877	29 870	29·846	29·818	29·797	29·779
	28												
	29	29·812	29·819	29·842	29·869	29·887	29·895	29·893	29·877	29·856	29·838	29·808	29·788
	30	29·815	29·823	29·844	29·864	29·896	29·899	29·902	29 892	29·862	29·839	29·827	29·818
	31	29·851	29·855	29·875	29·891	29·922	29·934	29·935	29·922	29·893	29·869	29·849	29·826

BAROMETER, N°. 58, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

Date	Göttingen Mean Time.	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
APRIL, 1846.	1	29·800	29·813	29·834	29·853	29·885	29·899	29·904	29·894	29·872	29·839	29·818	29·804
	2	29·797	29·816	29 840	29·868	29·894	29·907	29·903	29·896	29·875	29·839	29·823	29·805
	3	29·831	29·851	29·874	29·894	29·917	29·921	29·913	29·902	29·889	29·863	29·827	29·812
	4												
	5	29·790	29·796	29·832	29·844	29·870	29·879	29·874	29·856	29·830	29·796	29·766	29·746
	6	29·758	29·757	29·785	29·795	29·822	29·829	29·826	29·810	29·787	29·762	29·729	29·714
	7	29·750	29·764	29·807	29·828	29·850	29·864	29·868	29·857	29·829	29·807	29·793	29·785
	8	29·768	29·780	29·795	29·819	29·839	29·857	29·854	29·848	29·842	29·796	29·765	29·747
	9	29·749	29·762	29·783	29·805	29·828	29·849	29·840	29·829	29·812	29·78 1	29·747	29·728
	10	29·738	29·753	29·774	29·804	29·838	29·857	29·866	29·366	29·867	29·847	29·818	29·805
	11												
	12	29·827	29·839	29·845	29·865	29·883	29·884	29 871	29·849	29·82 9	29.796	29·761	29·743
	13	29·770	29·782	29·809	29·835	29·859	29·867	29·857	29·839	29·81 7	29·792	29·764	29·751
	14	29·775	29·786	29·812	29·830	29·853	29·861	29·852	29·845	29·831	29·812	29·785	29·773
	15	29·780	29·785	29·804	29·838	29·866	29·877	29·873	29·861	29·837	29·810	29·789	29·771
	16	29·784	29·792	29·810	29·828	29·847	29·855	29·850	29·836	29·820	29·786	29·759	29·744
	17	29·775	29·794	29·817	29·838	29·860	29·868	29·859	29·848	29·826	29·801	29·780	29·768
	18												
	19	29·787	29·817	29·846	29·885	29·915	29·935	29·936	29·918	29·895	29·865	29·830	29·814
	20	29·805	29·814	29·840	29·868	29·888	29·902	29·895	29·881	29·854	29·824	29·785	29·765
	21	29·769	29·777	29·796	29·820	29·845	29·856	29·849	29·824	29·802	29·773	29·745	29·728
	22	29·771	29·779	29·795	29·829	29·845	29·862	29·852	29·835	29·808	29·789	29·758	29·742
	23	29·813	29·818	29·832	29·836	29·863	29·872	29·872	29·859	29·839	29·814	29·795	29·771
	24	29·803	29·809	29·826	29·849	29·857	29·861	29·858	29·854	29·837	29·818	29·793	29·765
	25												
	26	29·750	29·764	29·776	29·805	29·833	29·854	29·850	29·845	29·827	29·795	29·773	29·755
	27	29·768	29·772	29·795	29·815	29·830	29·831	29 822	29·812	29·794	29·764	29·735	29·722
	28	29·768	29·775	29·788	29·822	29·842	29·854	29·850	29·838	29·822	29·799	29·770	29·755
	29	29·791	29·799	29·814	29·837	29·848	29·855	29·848	29·839	29·824	29·805	29·774	29·755
	30	29·764	29·770	29·784	29·810	29·821	29·832	29·826	29·818	29·799	29·771	29·744	29·729
	31												

BAROMETER, No. 58, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
MAY, 1846.	1	29·716	29·709	29·722	29·731	29·758	29·775	29·779	29·781	29·767	29·759	29·740	29·735
	2												
	3	29·750	29·752	29·773	29·780	29·796	29·803	29.815	29·815	29·797	29·777	29·768	29·758
	4	29·739	29·733	29·748	29·771	29·794	29·805	29·819	29·811	29·791	29·769	29·749	29·734
	5	29·734	29·731	29·742	29·756	29·769	29·779	29·790	29·784	29·774	29·755	29·743	29·738
	6	29·773	29·771	29·790	29·801	29·823	29·838	29·849	29·842	29·819	29·809	29·784	29·774
	7	29·751	29·758	29·761	29·777	29·795	29·810	29·809	29·803	29·777	29·777	29·762	29·768
	8	29·769	29·768	29·771	29·796	29·805	29·809	29·819	29·815	29·800	29·788	29·775	29·774
	9												
	10	29·749	29·747	29·760	29·771	29·786	29·803	29·812	29·813	29·811	29·811	29·823	29·819
	11	29·741	29·748	29·761	29·785	29·809	29·805	29·814	29·825	29·827	29·834	29·828	29·819
	12	29·766	29·759	29·781	29·826	29·838	29·803	29·773	29·806	29·792	29·786	29·778	29·771
	13	29·720	29·707	29·721	29·733	29·789	29·804	29·814	29·811	29·792	29·797	29·780	29·776
	14	29·720	29·708	29·711	29·732	29·757	29·808	29·820	29·798	29·780	29·757	29·733	29·727
	15	29·748	29·752	29·764	29·780	29·785	29·803	29·811	29·814	29·795	29·791	29·784	29·784
	16												
	17	29·700	29·690	29·699	29·744	29·773	29·786	29·775	29·752	29·732	29·739	29·725	29·723
	18	29·684	29·677	29·698	29·731	29·756	29·749	29·746	29·772	29·723	29·711	29·698	29·695
	19	29·654	29·659	29·716	29·719	29·725	29·731	29·746	29·733	29·752	29·697	29·690	29·663
	20	29·631	29·638	29·649	29·659	29·687	29·712	29·717	29·715	29·698	29·682	29·670	29·670
	21	29·645	29·638	29·638	29·642	29·665	29·706	29·713	29·717	29·697	29·687	29·675	29·673
	22	29·620	29·635	29·671	29·692	29·701	29·714	29·709	29·715	29·700	29·678	29·673	29·663
	23												
	24	29.622	29·611	29·627	29·659	29·673	29·686	29·700	29·692	29·669	29·658	29·645	29·647
	25	29·646	29·632	29·637	29·649	29·667	29·674	29·694	29·695	29·682	29·675	29·673	29·653
	26	29·641	29·631	29·638	29·649	29·667	29·676	29·674	29·671	29·660	29·650	29·652	29·647
	27	29·592	29·596	29·613	29·632	29·656	29·668	29·684	29·679	29·666	29·658	29·634	29·633
	28	29·655	29·652	29·662	29·675	29·691	29·712	29·718	29·720	29·719	29·710	29·716	29·720
	29	29·694	29·686	29·696	29·710	29·728	29·731	29·740	29·737	29·732	29·722	29·717	29·699
	30	29·667	29·664	29·664	29·677	29·694	29·711	29·722	29·715	29·708	29·696	29·678	29·662
	31												

BAROMETER, No. 53, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
JUNE, 1846.	1	29·639	29·640	29·651	29·668	29·683	29·694	29·710	29·707	29·692	29·687	29·680	29·680
	2	29·665	29·670	29·690	29·693	29·707	29·706	29·717	29·702	29·679	29·667	29·648	29·646
	3	29·615	29·614	29·622	29·636	29·648	29·664	29·672	29·667	29·661	29·647	29·618	29·620
	4	29.603	29·598	29·615	29·643	29·674	29·680	29·697	29·695	29·690	29·674	29·663	29·665
	5	29·614	29·609	29·639	29·660	29·686	29·706	29·708	29·715	29·697	29·685	29·674	29·670
	6												
	7	29·625	29·641	29·674	29·702	29·709	29·717	29·728	29·730	29·727	29·707	29·684	29·684
	8	29·642	29·653	29·660	29·692	29·721	29·722	29·725	29·737	29·722	29·703	29·693	29·680
	9	29·637	29·642	29·646	29·663	29·678	29·704	29·714	29·688	29·673	29·662	29·647	29·643
	10	29·632	29·625	29·646	29·654	29·671	29·688	29·700	29·697	29·671	29·645	29·620	29·613
	11	29·601	29·592	29·576	29·581	29·590	29·598	29·601	29·598	29·574	29·558	29·530	29·511
	12	29·383	29·410	29·451	29·500	29·520	29·531	29·530	29·523	29·516	29·520	29·502	29·504
	13												
	14	29·548	29·548	29·550	29·579	29·591	29·606	29·630	29·632	29·613	29·596	29·575	29·576
	15	29·591	29·583	29·597	29·619	29·641	29·650	29·665	29·661	29·646	29·632	29·616	29·598
	16	29·589	29·590	29·598	29·610	29·614	29·626	29·633	29·630	29·611	29·587	29·572	29·574
	17	29·564	29·582	29·590	29·609	29·641	29·642	29·647	29·635	29·603	29·601	29·573	29·557
	18	29·550	29·539	29·569	29·612	29·611	29·609	29·610	29·593	29·592	29·570	29·556	29·543
	19	29·555	29·548	29·568	29·582	29·603	29·620	29·626	29·621	29·605	29·606	29·594	29·594
	20												
	21	29·707	29·727	29·717	29·751	29·760	29·778	29·790	29·769	29·758	29·743	29·730	29·724
	22	29·713	29·708	29·711	29·724	29·731	29·740	29·749	29·732	29·717	29·702	29·687	29·670
	23	29·620	29·607	29·605	29·615	29·626	29·635	29·631	29·629	29·608	29·585	29·575	29·562
	24	29·568	29·561	29·562	29·570	29·581	29·589	29·596	29·603	29·591	29·579	29·573	29·572
	25	29·566	29·561	29·564	29·583	29·609	29·604	29·612	29·600	29·583	29·573	29·557	29·547
	26	29·512	29·514	29·505	29·519	29·528	29·535	29·533	29·529	29·521	29·499	29·480	29·472
	27												
	28	29·429	29·432	29·444	29·462	29·491	29·505	29·509	29·522	29·506	29·496	29·494	29·492
	29	29·513	29·519	29·543	29·575	29·594	29·607	29·609	29·614	29·607	29·593	29·575	29·574
	30	29·580	29·581	29·587	29·605	29·625	29·638	29·638	29·627	29·616	29·610	29·598	29·597
	31												

BAROMETER, No. 58, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

Date. Göttingen Mean Time.		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
MAY, 1846.	1	29·740	29·758	29·776	29·805	29·826	29·834	29·831	29·815	29·800	29·775	29·752	29·731
	2												
	3	29·768	29·773	29·790	29·819	29·836	29·847	29·846	29·836	29·815	29·788	29·764	29·750
	4	29·732	29·738	29·754	29·785	29·810	29·826	29·826	29·823	29·810	29·788	29·765	29·749
	5	29·738	29·755	29·776	29·810	29·847	29·867	29·872	29·859	29·851	29·827	29·791	29·781
	6	29·778	29·790	29·807	29·831	29·851	29·860	29·858	29·844	29·829	29·806	29·785	29·765
	7	29·772	29·787	29·811	29·838	29·859	29·873	29·875	29·864	29·843	29·825	29·808	29·787
	8	29·775	29·787	29·801	29·827	29·843	29·845	29·840	29·827	29·814	29·796	29·773	29·758
	9												
	10	29·819	29·825	29·830	29·839	29·862	29·856	29·850	29·831	29·815	29·795	29·777	29·760
	11	29·824	29·832	29·846	29·862	29·880	29·886	29·884	29·867	29·855	29·828	29·798	29·770
	12	29·787	29·802	29·821	29·845	29·859	29·866	29·873	29·861	29·826	29·800	29·771	29·745
	13	29·781	29·780	29·795	29·807	29·823	29·822	29·827	29·818	29·800	29·779	29·763	29·739
	14	29·736	29·758	29·782	29·810	29·827	29·842	29·832	29·825	29·816	29·782	29·763	29·759
	15	29·786	29·785	29·798	29·826	29·844	29·847	29·837	29·814	29·789	29·769	29·762	29·733
	16												
	17	29·718	29·731	29·753	29·769	29·769	29·791	29·789	29·777	29·763	29·739	29·713	29·705
	18	29·704	29·716	29·732	29·746	29·752	29·771	29·778	29·771	29·746	29·711	29·686	29·649
	19	29·661	29·673	29·697	29·710	29·721	29·757	29·739	29·733	29·713	29·699	29·677	29·654
	20	29·681	29·679	29·716	29·743	29·745	29·755	29·754	29·747	29·730	29·707	29·679	29·653
	21	29·673	29·684	29·706	29·728	29·748	29·757	29·761	29·739	29·710	29·681	29·660	29·646
	22	29·673	29·676	29·697	29·716	29·745	29·745	29·739	29·724	29·716	29·694	29·675	29·650
	23												
	24	29·663	29·667	29·700	29·720	29·735	29·737	29·736	29·725	29·709	29·695	29·679	29·651
	25	29·665	29·674	29·697	29·702	29·709	29·717	29·720	29·719	29·713	29·708	29·678	29·658
	26	29·649	29·662	29·670	29·683	29·699	29·704	29·703	29·684	29·662	29·627	29·603	29·602
	27	29·640	29·663	29·678	29·695	29·715	29·721	29·729	29·719	29·710	29·707	29·690	29·670
	28	29·724	29·732	29·743	29·753	29·763	29·775	29·776	29·765	29·751	29·740	29·720	29·708
	29	29·701	29·715	29·721	29·731	29·743	29·763	29·760	29·748	29·734	29·715	29·700	29·683
	30	29·666	29·670	29·687	29·707	29·719	29·723	29·729	29·722	29·712	29·700	29·681	29·665
	31												

BAROMETER, No. 58, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

Date. Göttingen Mean Time.		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
JUNE, 1846.	1	29·684	29·689	29·709	29·727	29·747	29·748	29·741	29·727	29·709	29·698	29·688	29·668
	2	29·649	29·666	29·680	29·699	29·716	29·719	29·714	29·703	29·678	29·662	29·645	29·625
	3	29·620	29·625	29·652	29·684	29·686	29·697	29·693	29·681	29·672	29·647	29·642	29·608
	4	29·675	29·677	29·695	29·698	29·714	29·717	29·714	29·713	29·704	29·678	29·661	29·642
	5	29·674	29·678	29·695	29·717	29·727	29·733	29·714	29·709	29·692	29·671	29·663	29·646
	6												
	7	29·689	29·696	29·719	29·738	29·756	29·764	29·769	29·763	29·739	29·719	29·690	29·663
	8	29·681	29·691	29·707	29·721	29·728	29·728	29·738	29·722	29·713	29·692	29·663	29·643
	9	29·640	29·655	29·671	29·683	29·703	29·720	29·720	29·714	29·697	29·683	29·661	29·644
	10	29·610	29·612	29·624	29·637	29·656	29·666	29·670	29·653	29·644	29·629	29·623	29·603
	11	29·506	29·501	29·502	29·524	29·537	29·534	29·534	29·521	29·499	29·488	29·459	29·422
	12	29·506	29·513	29·534	29·546	29·571	29·575	29·574	29·594	29·592	29·579	29·576	29·556
	13												
	14	29·586	29·602	29·624	29·642	29·662	29·667	29·670	29·665	29·658	29·647	29·635	29·610
	15	29·598	29·620	29·641	29·656	29·677	29·674	29·673	29·664	29·643	29·629	29·612	29·595
	16	29·570	29·571	29·587	29·607	29·621	29·638	29·647	29·638	29·606	29·611	29·586	29·585
	17	29·537	29·508	29·560	29·600	29·614	29·631	29·619	29·589	29·581	29·576	29·567	29·551
	18	29·535	29·539	29·574	29·592	29·612	29·618	29·621	29·628	29·607	29·581	29·574	29·556
	19	29·598	29·603	29·620	29·641	29·666	29·682	29·679	29·675	29·670	29·664	29·651	29·638
	20												
	21	29·730	29·733	29·756	29·774	29·781	29·785	29·784	29·774	29·762	29·756	29·738	29·730
	22	29·662	29·660	29·669	29·680	29·694	29·699	29·694	29·685	29·684	29·670	29·652	29·631
	23	29·563	29·567	29·572	29·588	29·606	29·600	29·607	29·606	29·592	29·596	29·580	29·572
	24	29·566	29·576	29·584	29·600	29·611	29·615	29·625	29·617	29·607	29·600	29·592	29·582
	25	29·546	29·553	29·569	29·581	29·594	29·609	29·613	29·599	29·585	29·575	29·558	29·526
	26	29·468	29·461	29·475	29·486	29·486	29·483	29·495	29·501	29·486	29·478	29·462	29·446
	27												
	28	29·492	29·494	29·507	29·522	29·538	29·553	29·564	29·565	29·559	29·553	29·537	29·527
	29	29·575	29·583	29·598	29·624	29·638	29·655	29·656	29·649	29·637	29·632	29·615	29·593
	30	29·598	29·607	29·622	29·633	29·644	29·648	29·649	29·638	29·620	29·612	29·605	29·591
	31												

BAROMETER, N°· 53, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

Date.	Göttingen Mean Time.	Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
JULY, 1846.	1	29·583	29 583	29·596	29·608	29 622	29·626	29·626	29·621	29·606	29·584	29·572	29·572
	2	29·585	29·585	29·597	29·619	29·626	29·636	29·634	29·634	29·624	29·608	29·596	29·585
	3	29·646	29·650	29·654	29·676	29·695	29·701	29·705	29·710	29·707	29 707	29·703	29·703
	4												
	5	29·757	29·753	29·761	29·766	29·778	29·787	29·789	29·782	29·760	29·746	29·732	29·713
	6	29·692	29·680	29·688	29·708	29·719	29·722	29·728	29·722	29·709	29·694	29·676	29 670
	7	29·683	29·679	29·676	29·681	29·691	29·702	29·704	29·687	29·681	29·669	29·653	29·651
	8	29·679	29·674	29·676	29·689	29·704	29·718	29·722	29 727	29·714	29·698	29·679	29·676
	9	29·690	29·680	29·680	29·699	29·715	29·728	29·740	29·738	29·732	29·720	29·720	29 715
	10	29·696	29·675	29 686	29·701	29·718	29·726	29·742	29·735	29·716	29·707	29·699	29·689
	11												
	12	29·567	29·570	29·577	29·603	29·625	29·622	29·620	29·622	29·599	29·578	29·572	29·578
	13	29·549	29·524	29·549	29 576	29·579	29·618	29·613	29·608	29·586	29·576	29·576	29·581
	14	29·574	29·583	29·589	29·603	29·629	29·643	29 639	29·633	29·619	29·609	29·606	29·607
	15	29·582	29·572	29·593	29·614	29·634	29·648	29·660	29·658	29 648	29·642	29·633	29·622
	16	29·631	29·625	29·634	29·656	22·693	29·703	29·706	29·695	29·674	29·645	29·631	29·623
	17	29·591	29·581	29·584	29·604	29·613	29·629	29·635	29·633	29·614	29·594	29·580	29·568
	18												
	19	29·672	29·675	29·689	29·705	29·718	29·723	29·730	29·726	29·710	29·698	29·685	29·675
	20	29·681	29·669	29·683	29·706	29·723	29·729	29·731	29·737	29·719	29·690	29·681	29·670
	21	29·622	29·623	29·626	29·638	29·663	29·666	29·666	29·644	29·629	29·624	29·599	29·589
	22	29·548	29·535	29·544	29·571	29·585	29·591	29·602	29·587	29·591	29 591	29·568	29·560
	23	29·562	29·561	29·576	29·590	29·601	29·616	29·630	29·626	29·611	29·600	29·580	29·566
	24	29·603	29·601	29·608	29·622	29·637	29·646	29·655	29·645	29·632	29·610	29·587	29·582
	25												
	26	29 562	29·567	29·574	29·591	29·610	29·621	29·628	29·623	29·612	29·607	29·592	29·591
	27	29·620	29·612	29·620	29·647	29·661	29·663	29·680	29·676	29·666	29·660	29·646	29·636
	28	29·646	29·639	29·645	29·665	29·674	29·682	29·700	29·688	29·679	29·666	29·664	29·647
	29	29·610	29·606	29·616	29·626	29·638	29·638	29·640	29·632	39·625	29·610	29·588	29·586
	30	29·559	29·552	29·561	29·570	29·564	29·568	29·568	29·565	29·561	29·553	29·536	29·534
	31	29·555	29·547	29·550	29·563	29·582	29·588	29·602	29·602	29·592	29·586	29·576	29·576

BAROMETER, N°· 58, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

Date.	Göttingen Mean Time.	Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
AUGUST, 1846.	1												
	2	29·652	29·661	29·674	29·680	29·697	29·708	29·714	29·710	29·698	29·686	29 676	29·674
	3	29·668	29·668	29·679	29·693	29·724	29·726	29·734	29·730	29·716	29·706	29·680	29·666
	4	29·668	29·671	29·673	29·689	29·701	29·708	29·709	29 699	29·692	29·678	29·660	29·650
	5	29·641	29·629	29·640	29·649	29·665	29·681	29·694	29·701	29·682	29·676	29·652	29·649
	6	29·685	29·685	29·700	29·719	29·736	29·752	29·763	29·756	29·754	26·742	29·722	29·717
	7	29·732	29·738	29·753	29·756	29·773	29·777	29·789	29·784	29 778	26·761	29·741	29·730
	8												
	9	29·679	29 676	29·687	29·708	29·728	29 735	29·740	29·726	29·716	29·702	29·690	29·682
	10	29·734	29·733	29·747	29·759	29·780	29·792	29·792	29·781	29·772	29·763	29·743	29·739
	11	29·780	29·776	29·783	29·791	29·801	29·800	29·808	29·804	29·789	29·787	29·775	29·759
	12	29·727	29·719	29·720	29·728	29·741	29·758	29·757	29.756	29·738	29·727	29·704	29·699
	13	29·732	29·730	29·736	29·750	29·767	29·779	29·779	29·775	29·758	29·751	29·737	29·739
	14	29·784	29·787	29·800	29 804	29·816	29·817	29·817	29·810	29·794	29·787	29·770	29·770
	15												
	16	29·670	29·681	29·689	29·699	29·717	29·730	29·731	29·716	29·692	29·682	29·666	29·662
	17	29·685	29·682	29·687	29·704	29·720	29·740	29·738	29·725	29·705	29·682	29·669	29·655
	18	29·654	29·651	29·659	29·668	29·681	29·691	29·695	29·688	29·663	29·655	29·639	29·633
	19	29·657	29·649	29·660	29·675	29 692	29·711	29·719	29·714	29·696	29·683	29·660	29·659
	20	29·691	29·688	29·701	29·701	29·724	29·730	29·731	29·723	29·710	29·696	29·691	29·683
	21	29·720	29·716	29·724	29·738	29·755	29·765	29·760	29·750	29·742	29·735	29·722	29·710
	22												
	23	29·723	29·715	29·716	29·727	29·735	29·740	29·740	29·730	29·723	29·713	29·700	29 689
	24	29·680	29 677	29·691	29·708	29·718	29·735	29·735	29·724	29·720	29·711	29·702	29·702
	25	29·697	29·686	29·693	29·713	29 737	29·749	29·750	29·744	29·733	29·730	29·723	29·709
	26	29·679	29·679	29·685	29·687	29·708	29·713	29·725	29·716	29·706	29·681	29·679	29·666
	27	29·646	29·648	29·657	29 665	29·680	29·697	29·700	29·683	29·673	29·662	29·652	29·646
	28	29·655	29·663	29·676	29·676	29·688	29·701	29·706	29·695	29·686	29·678	29·662	92·669
	29	29·699	29·707	29·726	29·738	29·756	29·770	29·767	29·760	29·753	29·742	29·732	29·730
	30												
	31	29·721	29·724	29·742	29·757	29·766	29·775	29·767	29·751	29·738	29·727	29·710	29·701

Date. Göttingen Mean Time.		BAROMETER, No. 58, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
JULY, 1846.	1	29·574	29·573	29·580	29·593	29·608	29·615	29·617	29·620	29·620	29·604	29·588	29·585
	2	29·583	29·582	29·608	29·631	29·665	29·668	29·686	29·684	29·673	29·661	29·659	29·647
	3	29·706	29·722	29·736	29·757	29·773	29·785	29·788	29·783	29·770	29·762	29·752	29·730
	4												
	5	29·707	29·715	29·727	29·746	29·764	29·765	29·758	29·751	29·730	29·724	29·712	29·700
	6	29·670	29·685	29·689	29·706	29·713	29·723	29·733	29·722	29·716	29·712	29·706	29·689
	7	29·655	29·663	29·675	29·702	29·719	29·737	29·742	29·743	29.726	29·715	29·706	29·689
	8	29·679	29·686	29·708	29·728	29·747	29·746	29·746	29·742	29·729	29·725	29·717	29·713
	9	29·718	29·724	29·723	29·743	29·756	29·763	29·761	29·755	29·741	29·737	29·722	29·710
	10	29·700	29·702	29·718	29·719	29·727	29·731	29·737	29·730	29·723	29·711	29·689	29·661
	11												
	12	29·578	29·577	29·582	29·612	29·620	29·630	29·642	29·633	29·620	29·597	29·575	29·564
	13	29·598	29·613	29·606	29·613	29·624	29·640	29·650	29·644	29·638	29·630	29·613	29·597
	14	29·617	29·613	29·631	29·634	29·652	29·651	29·659	29·655	29·638	29·630	29·613	29·593
	15	29·626	29·634	29·643	29·663	29·678	29·691	29·682	29·688	29·678	29·658	29·648	29·636
	16	29·615	29·612	29·621	29·630	29·629	29·638	29·633	29·632	29·628	29·627	29·613	29.611
	17	29·578	29·593	29·611	29·631	29·651	29·678	29·682	29·670	29·658	29·646	29·635	29·632
	18												
	19	29·672	29·677	29·691	29·698	29·707	29·726	29·731	29·730	29·726	29·705	29·696	29·695
	20	29·666	29·667	29·669	29·680	29·692	29·701	29·709	29·693	29·681	29·668	29·645	29·627
	21	29·585	29·584	29·594	29·604	29·618	29·619	29·633	29·629	29·610	29·597	29·586	29·564
	22	29·566	29·572	29·589	29·601	29·612	29·617	29·620	29·617	29·604	29·601	29·582	29·569
	23	29·562	29·571	29·583	29·596	29·611	29·618	29·619	29·626	29·629	29·631	29·624	29·604
	24	29·575	29·565	29·582	29·590	29·592	29·606	29·626	29·624	29·636	29·629	29·596	29·581
	25												
	26	29·592	29·594	29·614	29·632	29·643	29·659	29·659	29·654	29·651	29·647	29·632	29·622
	27	29·636	29·639	29·654	29·671	29·680	29·688	29·688	29·686	29·684	29·673	29·662	29·650
	28	29·652	29·647	29·662	29·671	29·686	29·689	29·691	29·692	29·677	29·664	29·639	29·628
	29	29·586	29·582	29·592	29·611	29·627	29·635	29·637	29·629	29·610	29·595	29·583	29·574
	30	29·535	29·533	29·550	29·569	29·580	29·599	29·599	29·591	29·583	29·581	29·571	29·566
	31	29·575	29·592	29·604	29·610	29·638	29·655	29·662	29·662	29·648	29·637	29·624	29·611

Date. Göttingen Mean Time.		BAROMETER, No 58, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
AUGUST, 1846.	1												
	2	29·666	29·669	29·677	29·692	29·716	29·728	29·730	29·725	29·716	29·700	29·697	29·678
	3	29·660	29·666	29·681	29·701	29·721	29·733	29·732	29·722	29·714	29·707	29·687	29·673
	4	29·651	29·662	29·675	29·688	29·711	29·723	29·713	29·710	29·694	29·682	29·669	29·652
	5	29·642	29·659	29·675	29·693	29·711	29·722	29·727	29·730	29·720	29·712	29·696	29·688
	6	29·725	29·734	29·752	29·769	29·782	29·787	29·791	29·792	29·780	29·767	29·748	29·741
	7	29·729	29·726	29·738	29·748	29·779	29·774	29·779	29·773	29·759	29·746	29·726	29·714
	8												
	9	29·682	29·687	29·703	29·728	29·743	29·756	29·757	29·763	29·751	29·753	29·742	29·735
	10	29·749	29·763	29·780	29·803	29·819	29·829	29·828	29·824	29·819	29·806	29·788	29·779
	11	29·756	29·754	29·770	29·789	29·806	29·813	29·806	29·802	29·785	29·774	29·756	29·745
	12	29·696	29·707	29·727	29·740	29·768	29·782	29·788	29·781	29·773	29·767	29·749	29·738
	13	29·740	29·755	29·777	29·797	29·828	29·840	29·856	29·840	29·830	29·819	29·804	29·789
	14	29·769	29·769	29·777	29·796	29·826	29·827	29·826	29·819	29·802	29·790	29·773	29·754
	15												
	16	29·670	29·680	29·690	29·710	29·726	29·735	29·736	29·733	29·728	29·724	29·710	29·687
	17	29·655	29·661	29·663	29·679	29·690	29·694	29·708	29·710	29·697	29·685	29·662	29·653
	18	29·631	29·637	29·656	29·679	29·691	29·714	29·716	29·715	29·691	29·687	29·678	29·660
	19	29·663	29·663	29·688	29·720	29·738	29·749	29·755	29·743	29·734	29·718	29·701	29·692
	20	29·688	29·696	29·716	29·730	29·749	29·747	29·771	29·774	29·768	29·755	29·735	29·726
	21	29·708	29·726	29·732	29·748	29·774	29·783	29·785	29·786	29·773	29·759	29·745	29·733
	22												
	23	29·686	29·696	29·696	29·720	29·730	29·741	29·744	29·741	29·735	29·719	29·707	29·685
	24	29·702	29·708	29·722	29·740	29·759	29·762	29·765	29·765	29·743	29·727	29·716	29·702
	25	29·708	29·713	29·732	29·738	29·757	29·765	29·762	29·751	29·736	29·723	29·712	29·691
	26	29·658	29·661	29·681	29·689	29·707	29·723	29·722	29·720	29·701	29·684	29·666	29·654
	27	29·658	29·660	29·676	29·689	29·700	29·710	29·714	29·708	29·700	29·683	29·673	29·665
	28	29·674	29·679	29·688	29·711	29·736	29·744	29·749	29·742	29·730	29·718	29·711	29·701
	29	29·732	29·742	29·765	29·782	29·795	29·812	29·810	29·802	29·789	29·778	29·771	29·762
	30												
	31	29·697	29·703	29·719	29·733	29·755	29·761	29·754	29·750	29·737	29·719	29·699	29·679

Date. Göttingen Mean Time.		BAROMETER, N^o. 58, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
SEPTEMBER, 1846.	1	29·678	29·683	29·700	29·710	29·725	29.730	29·731	29·710	29·700	29·683	29·666	29·662
	2	29·662	29·666	29·676	29·691	29·714	29·725	29·730	29·723	29·707	29·695	29·683	29·678
	3	29·672	29·682	29·701	29·708	29·724	29·747	29·733	29·724	29·710	29·696	29·683	29·680
	4	29·653	29·650	29·666	29·692	29·714	29·724	29·733	29·725	29·718	29·710	29·689	29·682
	5												
	6	29·616	29·616	29·628	29·644	29·660	29·678	29·675	29·661	29·649	29·635	29·627	29·619
	7	29·627	29·625	29·646	29·662	29·683	29·696	29·704	29·694	29·691	29·686	29·670	29·666
	8	29·690	29·682	29·693	29·714	29·723	29·742	29·746	29·748	29·733	29·724	29·721	29·718
	9	29·729	29·729	29·750	29·768	29·784	29·793	29·792	29·784	29·777	29·764	29·752	29·738
	10	29·737	29·737	29·743	29·763	29·786	29·794	29·792	29·788	29·772	29·757	29·736	29·732
	11	29·742	29·747	29·760	29·775	29·795	29·802	29·807	29·796	29·786	29·780	29·763	29·746
	12												
	13	29·676	29·687	29·704	29·726	29·736	29·752	29·757	29·749	29·743	29·730	29·715	29·699
	14	29·710	29·716	29·731	29·750	29·773	29·783	29·785	29·780	29·768	29·758	29·741	29·728
	15	29·729	29·730	29·739	29·764	29·785	29·806	29·807	29·796	29·776	29·769	29·747	29·734
	16	29·696	29·691	29·710	29·734	29·748	29·758	29·759	29·746	29·727	29·710	29·690	29·676
	17	29·674	29·682	29·698	29·730	29·744	29·760	29·763	29·753	29·748	29·740	29·727	29·731
	18	29·775	29·779	29·784	29·790	29·807	29·828	29·833	29·824	29·818	29·803	29·791	29·789
	19												
	20	29·728	29·726	29·734	29·751	29·780	29·786	29·805	29·791	29·783	29·756	29·748	29·735
	21	29·723	29·732	29·737	29·752	29·774	29·791	29·787	29·782	29·775	29·765	92·752	29·742
	22	29·745	29·746	29·757	29·776	29·794	29·805	29·802	29·798	29·789	29·772	29·766	29·761
	23	29·725	29·726	29·737	29·758	29·776	29·788	29·791	29·784	29·776	29·766	29·757	29·749
	24	29·754	29·765	29·774	29·793	29·818	29·834	—	29·835	29·826	29·822	29·810	29·806
	25	29·817	29·814	29·827	29·847	29·862	29·875	29·884	29·874	29·855	29·846	29·812	29·832
	26												
	27	29·773	29·783	29·794	29·818	29·839	29·852	29·854	29·845	29·832	29·819	29·796	29·791
	28	29·779	29·785	29·794	29·803	29·826	29·843	29·841	29·823	29·827	29·825	29·809	29·806
	29	29·764	29·751	29·760	29·784	29·803	29·813	29·817	29·808	29·809	29·805	29·801	29·291
	30	29·777	29·288	29·798	29·821	29·835	29·841	29·843	29·835	29·824	29·816	29·808	29·801
	31												

Date. Göttingen Mean Time.		BAROMETER, N^o. 58, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
OCTOBER, 1846	1	29·801	29·798	29·807	29·823	29·842	29·851	29·855	29·852	29·845	29·831	29·820	29·812
	2	29·792	29·784	29·809	29·822	29·836	29·845	29·847	29·838	29·832	29·816	29·793	29·789
	3												
	4	29·772	29·786	29·787	29·816	29·841	29·845	29·834	29·825	29·818	29·817	29·804	29·809
	5	29·747	29·761	29·770	29·787	29·814	29·830	29·842	29·827	29·816	29·801	29·795	29·796
	6	29·740	29·742	29·753	29·775	29·783	29·795	29·790	29·782	29·769	29·734	29·742	29·744
	7	29·714	29·716	29·722	29·751	29·747	29·765	29·760	29·745	29·734	29·733	29·730	29·724
	8	29·723	29·734	29·748	29·780	29·839	29·824	29·839	29·827	29·817	29·798	29·784	29·787
	9	29·780	29·782	29·814	29·841	29·871	29·879	29·860	29·835	29·838	29·828	29·811	29·821
	10												
	11	29·733	29·747	29·759	29·776	29·795	29·811	29·813	29·801	29·787	29·783	29·773	29·766
	12	29·730	29·738	29·748	29·761	29·771	29·778	29·775	29·773	29·770	29·767	29·760	29·760
	13	29·705	29·717	29·726	29·747	29·768	29·775	29·767	29·759	29·750	29·738	29·728	29·729
	14	29·689	29·692	29·709	29·724	29·739	29·748	29·740	29·734	29·720	29·709	29·696	29·702
	15	29·660	29·669	29·678	29·695	29·715	29·723	29·726	29·718	29·710	29·713	29·697	29·713
	16	29·698	29·705	29·723	29·744	29·767	29·770	29·772	29·773	29·759	29·745	29·739	29·739
	17												
	18	29·757	29·778	29·789	29·814	29·835	29·844	29·837	29·831	29·817	29·805	29·793	29·807
	19	29·735	29·727	29·739	29·775	29·795	29·805	29·800	29·787	29·778	29·761	29·741	29·736
	20	29·676	29·676	29·676	29·697	29·721	29·726	29·723	29·713	29·705	29·685	29·685	29·678
	21	29·626	29·633	29·641	29·665	29·682	29·690	29·695	29·690	29·684	29·677	29·677	29·675
	22	29·649	29·658	29·675	29·700	29·722	29·736	29·733	29·724	29·716	29·709	29·705	29·710
	23	29·715	29·725	29·727	29·751	29·783	29·789	29·796	29·789	29·791	29·779	29·772	29·773
	24												
	25	29·788	29·796	29·809	29·832	29·848	29·846	29·845	29·837	29·833	29·826	29·827	29·828
	26	29·819	29·832	29·842	29·866	29·880	29·885	29·883	29·674	29·865	29·851	29·841	29·840
	27	29·823	29·829	29·836	29·848	29·867	29·871	29·869	29·859	29·858	29·842	29·835	29·825
	28	29·802	29·809	29·821	29·840	29·860	29·862	29·846	29·834	29·817	29·808	29·798	29·794
	29	29·783	29·789	29·801	29·823	29·839	29·834	29·829	29·820	29·812	29·818	29·798	29·794
	30	29·760	29·770	29·782	29·808	29·829	29·834	29·839	29·829	29·812	29·797	29·787	29·790
	31												

BAROMETER, N°. 58, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

Date. Göttingen Mean Time.		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
SEPTEMBER, 1846.	1	29·662	29·662	29·678	29·700	29·724	29·735	29·737	29·735	29·722	29·701	29·682	29·666
	2	29·675	29·681	29·691	29·718	29·738	29·755	29·754	29·744	29·729	29·714	29·697	29·676
	3	29·679	29·686	29·697	29·709	29·732	29·730	29·733	29·723	29·708	29·687	29·673	29·653
	4	29·686	29·692	29·700	29·726	29·731	29·740	29·732	29·729	29·710	29·682	29·672	29·656
	5												
	6	29·623	29·629	29·641	29·663	29·682	29·691	29·698	29·692	29·679	29·672	29·654	29·638
	7	29·666	29·681	29·694	29·705	29·725	29·739	29·752	29·749	29·745	29·730	29·716	29·693
	8	29·722	29·730	29·738	29·749	29·776	29·790	29·801	29·799	29·782	29·765	29·744	29·730
	9	29·746	29·752	29·763	29·777	29·794	29·810	29·815	29·808	29·790	29·776	29·755	29·743
	10	29·736	29·748	29·767	29·788	29·810	29·818	29·817	29·813	29·802	29·783	29·764	29·743
	11	29·746	29·752	29·769	29·790	29·806	29·815	29·809	29·806	29·782	29·761	29·747	29·724
	12												
	13	29·700	29·710	29·724	29·742	29·768	29·782	29·781	29·784	29·770	29·752	29·734	29·726
	14	29·728	29·742	29·761	29·783	29·809	29·825	29·828	29·816	29·799	29·771	29·743	29·732
	15	29·732	29·733	29·738	29·765	29·777	29·784	29·786	29·776	29·741	29·731	29·710	29·695
	16	29·676	29·687	29·693	29·717	29·726	29·746	29·744	29·740	29·729	29·687	29·679	29·674
	17	29·739	29·753	29·768	29·793	29·826	29·839	29·835	29·832	29·816	29·802	29·789	29·780
	18	29·787	29·789	29·796	29·816	29·833	29·840	29·827	29·819	29·803	29·778	29·757	29·740
	19												
	20	29·740	29·744	29·758	29·787	29·806	29·811	29·807	29·806	29·788	29·772	29·747	29·730
	21	29·744	29·749	29·766	29·795	29·818	29·831	29·832	29·822	29·806	29·793	29·774	29·753
	22	29·756	29·763	29·770	29·788	—	—	—	—	29·776	29·765	29·740	29·728
	23	29·755	29·762	29·771	29·794	29·817	29·828	29·831	29·816	29·806	29·793	29·774	29·766
	24	29·803	29·812	29·829	29·844	29·874	29·887	29·892	29·879	29·865	29·848	29·827	29·823
	25	29·833	29·842	29·864	29·889	29·909	29·911	29·909	29·902	29·871	29·851	29·831	29·819
	26												
	27	29·787	29·801	29·831	29·849	29·880	29·894	29·889	29·871	29·841	29·819	29·790	29·777
	28	29·818	29·826	29·841	29·863	29·884	29·884	29·878	29·864	29·827	29·808	29·782	29·773
	29	29·801	29·809	29·830	29·850	29·870	29·893	29·893	29·887	29·855	29·827	29·797	29·781
	30	29·805	29·816	29·829	29·851	29·872	29·885	29·887	29·876	29·853	29·833	29·811	29·800
	31												

BAROMETER, N°. 58, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

Date. Göttingen Mean Time.		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
OCTOBER, 1846.	1	29·819	29·832	29·852	29·882	29·899	29·916	29·914	29·892	29·861	29·842	29·820	29·800
	2	29·794	29·803	29·826	29·845	29·873	29·883	29·878	29·867	29·859	29·817	29·790	29·768
	3												
	4	29·813	29·819	29·834	29·857	29·878	29·882	29·878	29·864	29·825	29·799	29·772	29·753
	5	29·799	29·820	29·838	29·846	29·861	29·866	29·871	29·854	29·835	29·793	29·770	29·736
	6	29·744	29·751	29·770	29·794	29·810	29·828	29·833	29·827	29·802	29·763	29·715	29·711
	7	29·738	29·758	29·780	29·794	29·823	29·834	29·825	29·809	29·779	29·763	29·736	29·714
	8	29·798	29·805	29·840	29·863	29·881	29·900	29·901	29·881	29·849	29·820	29·795	29·779
	9	29·817	29·830	29·854	29·884	29·900	29·912	29·905	29·884	29·863	29·839	29·816	29·797
	10												
	11	29·768	29·776	29·787	29·815	29·833	29·851	29·844	29·817	29·790	29·762	29·742	29·725
	12	29·763	29·770	29·799	29·823	29·844	29·851	29·844	29·808	29·769	29·746	29·773	29·708
	13	29·739	29·741	29·775	29·792	29·808	29·819	29·809	29·779	29·749	29·729	29·705	29·698
	14	29·710	29·720	29·743	29·765	29·782	29·783	29·772	29·747	29·721	29·700	29·672	29·659
	15	29·720	29·725	29·754	29·774	29·789	29·794	29·798	29·779	29·751	29·733	29·699	29·692
	16	29·714	29·755	29·785	29·818	29·834	29·837	29·832	29·820	29·797	29·776	29·756	29·740
	17												
	18	29·807	29·807	29·827	29·838	29·862	29·881	29·873	29·843	29·811	29·790	29·764	29·745
	19	29·736	29·745	29·763	29·788	29·807	29·818	29·812	29·786	29·758	29·724	29·697	29·683
	20	29·688	29·693	29·709	29·731	29·754	29·763	29·758	29·736	29·708	29·684	29·660	29·641
	21	29·687	29·693	29·712	29·737	29·756	29·769	29·755	29·735	29·714	29·696	29·664	29·647
	22	29·720	29·720	29·741	29·767	29·789	29·801	29·799	29·783	29·762	29·745	29·727	29·719
	23	29·779	29·783	29·812	29·835	29·849	29·870	29·866	29·848	29·823	29·807	29·788	29·774
	24												
	25	29·840	29·840	29·876	29·900	29·918	29·931	29·927	29·903	29·870	29·845	29·824	29·815
	26	29·846	29·860	29·884	29·912	29·930	29·947	29·931	29·902	29·868	29·850	29·828	29·823
	27	29·833	29·843	29·876	29·894	29·926	29·933	29·924	29·893	29·850	29·825	29·809	29·796
	28	29·792	29·807	29·841	29·861	29·879	29·893	29·894	29·865	29·834	29·817	29·789	29·782
	29	29·796	29·803	29·833	29·854	29·879	29·894	29·890	29·865	29·832	29·805	29·779	29·759
	30	29·797	29·815	29·837	29·870	29·894	29·907	29·902	29·879	29·841	29·819	29·799	29·786
	31												

Date. Göttingen Mean Time.		BAROMETER, Nº· 58, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
NOVEMBER, 1846.	1	29·803	29·813	29·819	29·840	29·862	29·861	29·849	29·844	29·834	29·826	29·808	29·808
	2	29·817	29·827	29·843	29·869	29·888	29·894	29·905	29·890	29·882	29·871	29·853	29·840
	3	29·839	29·845	29·858	29·879	29·892	29·894	29·891	29·885	29·867	29·855	29·834	29·825
	4	29·774	29·778	29·738	29·817	29·832	29·825	29·822	29·810	29·799	29·788	29·778	29·773
	5	29·762	29·764	29·784	29·816	29·831	29·832	29·844	29·857	29·857	29·856	29·845	29·839
	6	29·852	29·871	29·880	29·896	29·909	29·917	29·924	29·925	29·912	29·901	29·887	29·875
	7												
	8	29·845	29·851	29·869	29·890	29·920	29·927	29·929	29·919	29·909	29·897	29·892	29·890
	9	29·855	29·861	29·879	29·896	29·923	29·926	29·919	29·903	29·897	29·890	29·878	29·886
	10	29·833	29·844	29·856	29·879	29·891	29·909	29·911	29·896	29·881	29·869	29·853	29·849
	11	29·816	29·823	29·835	29·860	29·886	29·889	29·887	29·881	29·866	29·860	29·845	29·844
	12	29·832	29·840	29·847	29·875	29·895	29·912	29·915	29·912	29·904	29·898	29·890	29·899
	13	29·872	29·879	29·898	29·927	29·950	29·958	29·964	29·958	29·951	29·942	29·931	29·921
	14												
	15	29·888	29·899	29·912	29·928	29·943	29·947	29·949	29·940	29·933	29·922	29·911	29·901
	16	29·868	29·869	29·883	29·897	29·915	29·928	29·923	29·914	29·889	29·886	29·871	29·864
	17	29·847	29·856	29·872	29·888	29·912	29·916	29·909	29·901	29·900	29·896	29·892	29·894
	18	29·886	29·891	29·908	29·933	29·946	29·960	29·963	29·959	29·948	29·942	29·934	29·938
	19	29·888	29·892	29·910	29·929	29·945	29·961	29·959	29·955	29·946	29·939	29·936	29·928
	20	29·849	29·848	29·861	29·873	29·896	29·906	29·922	29·930	29·935	29·930	29·915	29·916
	21												
	22	29·864	29·867	29·882	29·901	29·918	29·916	29·919	29·907	29·894	29·888	29·880	29·872
	23	29·850	29·859	29·871	29·896	29·904	29·913	29·923	29·915	29·905	29·899	29·894	29·885
	24	29·839	29·838	29·852	29·877	29·887	29·891	29·894	29·885	29·875	29·864	29·846	29·842
	25	29·823	29·828	29·848	29·867	29·888	29·895	29·898	29·891	29·877	29·874	29·862	29·851
	26	29·797	29·812	29·830	29·850	29·856	29·875	29·867	29·850	29·834	29·817	29·796	29·806
	27	29·809	29·825	29·856	29·880	29·890	29·894	29·888	29·880	29·869	29·869	29·862	29·854
	28	29·876	29·887	29·919	29·949	29·983	29·992	29·994	29·980	29·968	29·957	29·936	29·933
	29												
	30	29·854	29·884	29·888	29·904	29·922	29·931	29·929	29·917	29·909	29·892	29·885	29·881
	31												

Date. Göttingen Mean Time.		BAROMETER, Nº· 58, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
DECEMEBR, 1846.	1	29·861	29·866	29·877	29·902	29·924	29·925	29·926	29·918	29·905	29·897	29·890	29·880
	2	29·871	29·871	29·885	29·900	29·922	29·936	29·937	29·931	29·925	29·922	29·911	29·902
	3	29·874	29·881	29·891	29·912	29·936	29·955	29·953	29·942	29·928	29·928	29·906	29·896
	4	29·854	29·857	29·870	29·887	29·907	29·915	29·915	29·903	29·888	29·879	29·854	29·849
	5												
	6	29·865	29·874	29·884	29·902	29·918	29·910	29·916	29·913	29·905	29·907	29·898	29·893
	7	29·859	29·865	29·880	29·898	29·908	29·918	29·912	29·903	29·884	29·875	29·862	29·858
	8	29·859	29·867	29·881	29·917	29·940	29·943	29·940	29·928	29·900	29·894	29·878	29·881
	9	29·837	29·849	29·859	29·883	29·902	29·910	29·910	29·895	29·877	29·868	29·857	29·849
	10	29·849	29·855	29·877	29·902	29·933	29·944	29·941	29·940	29·931	29·924	29·906	29·901
	11	29·898	29·899	29·920	29·937	29·959	29·967	29·967	29·954	29·947	29·936	29·919	29·898
	12												
	13	29·870	29·873	29·880	29·894	29·901	29·924	29·905	29·900	29·882	29·878	29·867	29·866
	14	29·819	29·828	29·857	29·874	29·890	29·906	29·906	29·903	29·893	29·890	29·876	29·865
	15	29·874	29·876	29·890	29·904	29·921	29·933	29·927	29·915	29·907	29·901	29·895	29·889
	16	29·845	29·843	29·853	29·879	29·901	29·921	29·925	29·923	29·908	29·908	29·892	29·884
	17	29·824	29·832	29·841	29·867	29·887	29·893	29·894	29·884	29·878	29·869	29·853	29·841
	18	29·780	29·782	29·793	29·824	29·842	29·856	29·860	29·850	29·833	29·825	29·803	29·800
	19												
	20	29·845	29·849	29·868	29·891	29·909	29·927	29·926	29·910	29·896	29·891	29·869	29·859
	21	29·834	29·835	29·849	29·871	29·890	29·897	29·903	29·900	29·890	29·889	29·876	29·878
	22	29·862	29·868	29·879	29·894	29·907	29·909	29·903	29·900	29·892	29·888	29·885	29·883
	23	29·860	29·858	29·876	29·901	29·921	29·931	29·932	29·927	29·917	29·907	29·901	29·901
	24	29·866	89·876	29·895	29·926	29·945	—	—	—	—	29·910	29·900	29·894
	25	29·885	29·882	29·904	29·933	29·949	29·970	29·963	29·957	29·938	29·924	29·914	29·911
	26												
	27	29·860	29·871	29·881	29·905	29·929	29·935	29·938	29·928	29·915	29·903	29·891	29·893
	28	29·882	29·883	29·890	29·914	29·934	29·953	29·960	29·946	29·942	29·925	29·913	29·901
	29	29·907	29·915	29·929	29·957	29·984	29·992	30·003	29·985	29·971	29·965	29·953	29·941
	30	29·923	29·933	29·953	29·980	30·002	30·012	30·011	30·000	29·992	29·984	29·975	29·968
	31	29·965	29·971	29·984	30·016	30·028	30·034	30·031	30·027	30·020	29·992	29·977	29·970

BAROMETER, No. 58, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

Date. Göttingen Mean Time.		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
NOVEMBER, 1846.	1	29·812	29·824	29·846	29·873	29·902	29·922	29·912	29·899	29·872	29·849	29·826	29·815
	2	29·843	29·846	29·875	29·898	29·915	29·937	29·942	29·918	29·891	29·875	29·856	29·845
	3	29·825	29·833	29·851	29·871	29·889	29·894	29·893	29·868	29·831	29·813	29·789	29·777
	4	29·775	29·787	29·819	29·840	29·863	29·883	29·878	29·849	29·814	29·791	29·773	29·757
	5	29·843	29·862	29·885	29·906	29·928	29·943	29·944	29·923	29·899	29·880	29·851	29·850
	6	29·873	29·885	29 903	29·926	29·939	29·955	29·951	29·927	29·893	29·867	29·850	29·835
	7												
	8	29·892	29·903	29·936	29·957	29·983	29·996	29·985	29·955	29·927	29·889	29·868	29·854
	9	29·889	29·908	29·928	29·959	29·978	29·997	29·987	29·951	29·915	29·881	29·851	29·832
	10	29·846	29·856	29·882	29·904	29·933	29·949	29·936	29·905	29·870	29·838	29 823	29·817
	11	29·845	29 867	29·895	29·926	29·947	29·960	29·964	29·940	29·900	29·872	29·849	29·839
	12	29·900	29·919	29·939	29·971	29·995	30·016	30·012	29·989	29·953	29·921	29·885	29·872
	13	29·930	29·947	29·971	30·000	30·018	30·034	30·022	30·008	29·970	29·937	29·903	29·893
	14												
	15	29·905	29·921	29·948	29·970	29·992	30·017	29·997	29·971	29·936	29·908	29·879	29·873
	16	29·876	29·886	29·914	29·939	29·961	29·977	29·963	29·935	29·907	29·882	29·861	29·851
	17	29·898	29·915	29·948	29·980	30·000	30·020	30·005	29·980	29·952	29·925	29·907	29·893
	18	29·942	29·956	29·979	30·004	30·036	30·052	30·039	30·008	29·970	29·934	29·904	29·886
	19	29·935	29 950	29·981	30·006	30·031	30·038	30·022	29·986	29·944	29·910	29·875	29·859
	20	29·911	—	29·954	29·966	29·985	30·003	29·991	29·968	29·933	29·896	29·871	29·853
	21												
	22	29·880	29·894	29·909	29·930	29·952	29·961	29·962	29·939	29·914	29·889	29·867	29·855
	23	29·891	29·900	29·915	29·940	29·963	29·972	29·969	29·947	29·913	29·882	29·858	29·841
	24	29·842	29·852	29·883	29·911	29·936	29·946	29·937	29·917	29·884	29·858	29·834	29·823
	25	29·853	29·865	29·872	29·897	29·915	29·927	29·918	29·898	29·859	29·833	29·805	29·802
	26	29·810	29·828	29·852	29·883	29·905	29·919	29·904	29·877	29·853	29·828	29·804	29·800
	27	29·872	29·879	29·905	29·934	29 958	29·978	29·974	29·951	29·924	29·894	29·874	29·871
	28	29·942	29·946	29·969	30·002	30·027	30·036	30·022	30·014	29·964	29·930	29·908	29·896
	29												
	30	29·875	29·885	29·900	29·929	29·951	29·967	29·968	29·948	29·914	29·890	29·866	29·862
	31												

BAROMETER, No. 58, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

Date. Göttingen Mean Time.		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
DECEMBER, 1846.	1	29·882	29·891	29·906	29·935	29·953	29·981	29·974	29 954	29·926	29·902	29·885	29·871
	2	29·905	29·906	29·928	29 946	29·968	29·982	29·978	29·956	29·929	29·904	29·883	29·875
	3	29·889	29·902	29·917	29·941	29·962	29·983	29·976	29·951	29·920	29·888	29·870	29·858
	4	29·846	29·857	29·885	29·910	29·945	29·962	29·956	29·933	29·904	29·878	29·853	29·846
	5												
	6	29·891	29·896	29·917	29·943	29·964	29·972	29·973	29·953	29·910	29·895	29·871	29·858
	7	29·859	29·866	29·880	29·905	29·926	29·942	29·941	29·932	29·904	29·883	29·867	29·860
	8	29·879	29·882	29·895	29·923	29·948	29·962	29·956	29·937	29·906	29·872	29·850	29·837
	9	29·854	29·857	29·881	29·904	29·927	29·939	29·943	29·924	29·894	29·868	29·843	29·838
	10	29·910	29·915	29·937	29·967	29·995	30·010	30·005	29·990	29·953	29·928	29·917	29·902
	11	29·901	29·914	29·936	29·960	29·985	30·003	30 001	29·980	29·943	29·917	29·889	29·883
	12												
	13	29·864	29·865	29·888	29·910	29·928	29·943	29·945	29·906	29·869	29·841	29·826	29·813
	14	29·872	29·889	29·906	29·941	29·965	29·985	29·978	29·962	29·940	29·917	29·895	29·879
	15	29·897	29·895	29·915	29·931	29·949	29·970	29·965	29·945	29·917	29·888	29·862	29·852
	16	29·888	29·889	29·903	29·922	29·945	29·958	29·955	29·931	29·893	29·868	29·840	29·829
	17	29·844	29·844	29·858	29·887	29·909	29·931	29·919	29·898	29·863	29·830	29·805	29·790
	18	29·803	29·815	29 837	29·859	29·893	29·915	29·912	29·894	29·856	29·833	29·818	29·808
	19												
	20	29·853	29·866	29·878	29·902	29·931	29·947	29·935	29·913	29·879	29·853	29·837	29·834
	21	29·880	29·889	29·905	29·937	29·966	29·985	29·976	29·955	29·916	29·893	29·873	29·864
	22	29·889	29·899	29·914	29·941	29·959	29·978	29·970	29·945	29·912	29·883	29·867	29·858
	23	29·905	29·914	29·936	29·960	29·986	29·991	29·980	29·956	29·928	29·899	29·875	29·866
	24	29·901	29·902	29·919	29·949	29·982	30·001	30·000	29·984	29·939	29·913	29·892	29·883
	25	29·917	29 921	29·934	29·961	29·998	30·015	30·006	29·982	29·949	29·929	29·900	29·888
	26												
	27	29·900	29·906	29·924	29·955	29·983	30·005	30·010	29·985	29·960	29·929	29·902	29·885
	28	29·903	29·908	29·915	29·951	29·987	30·008	30·006	29·987	29·961	29·937	29·920	29·906
	29	29·953	29·963	29·978	29·997	30·025	30·042	30·041	30·028	29·988	29·965	29·935	29·923
	30	29·968	29·980	29·995	30·022	30·052	30·067	30·064	30·041	30·005	29·982	29·964	20·957
	31	29·997	30·007	30·026	30·055	30·088	30·107	30·103	30·087	30·056	30·030	29·997	29·980

BAROMETER, N°. 48, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

	Date. Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
JUNE, 1846.	1												
	2												
	3												
	4												
	5	29·623	29·621	29·654	29·671	29·699	29·712	29·719	29·726	29·710	29·704	29·692	29·683
	6												
	7	29·638	29·660	29·694	29·711	29·724	29·729	29·744	29·742	29·741	29·716	29·698	29·696
	8	29·649	29·662	29·675	29·708	29·735	29·734	29·743	29·748	29·733	29·714	29·704	29·696
	9	29·648	29·649	29·661	29·674	29·689	29·714	29·730	29·705	29·691	29·673	29·658	29·654
	10	29·644	29·647	29·662	29·667	29·682	29·702	29·717	29·712	29·683	29·655	29·628	29·624
	11	29·610	29·607	29·589	29·595	29·606	29·614	29·613	29·613	29·584	29·569	29·534	29·521
	12	29·397	29·423	29·461	29·512	29·525	29·541	29·546	29·539	29·528	29·530	29·515	29·520
	13												
	14	29·565	29·565	29·567	29·596	29·606	29·623	29·649	29·651	29·628	29·614	29·587	29·585
	15	29·603	29·598	29·614	29·630	29·657	29·665	29·679	29·676	29·658	29·651	29·626	29·615
	16	29·598	29·605	29·614	29·627	29·629	29·647	29·658	29·652	29·623	29·601	29·583	29·589
	17	29·573	29·598	29·607	29·623	29·658	29·666	29·667	29·651	29·618	29·610	29·583	29·567
	18	29·559	29·554	29·584	29·621	29·624	29·623	29·626	29·616	29·612	29·584	29·565	29·557
	19	29·566	29·570	29·587	29·601	29·620	29·636	29·642	29 636	29·622	29·617	29·605	29·605
	20												
	21	29·724	29·731	29·733	29·765	29·772	29·792	29·805	29·788	29·773	29·753	29·743	29·737
	22	29·726	29·723	29·727	29·736	29·748	29·755	29·765	29·752	29·732	29·720	29·702	29·682
	23	29·632	29·620	29·623	29·629	29·645	29·649	29·649	29·635	29·619	29·600	29·586	29·573
	24	29·573	29·574	29·574	29·586	29·602	29·609	29·619	29·618	29·608	29·599	29·587	—
	25	—	—	—	—	—	—	—	—	--	—	29·567	29·561
	26	29·526	29·528	29·527	29·536	29·548	29·554	29·549	29·549	29·535	29·515	29·499	29·485
	27												
	28	29·448	29·450	29·454	29·478	29·508	29·521	29·522	29·532	29·522	29·512	29·512	29·512
	29	29·525	29·537	29·559	29·586	29·606	29·620	29·628	29·632	29·623	29·610	29·593	29·586
	30	29·593	29·600	29·604	29 618	29·637	29·654	29·660	29·638	29·632	29·626	29·616	29·614
	31												

BAROMETER, N°. 48, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

	Date. Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
JULY, 1846.	1	29·597	29·603	29·615	29·623	29·634	29·639	29·640	29·631	29·618	29·598	29·586	29·582
	2	29·604	29·600	29·617	29·629	29·639	29·658	29·656	29·653	29·637	29·623	29·613	29 598
	3	29·660	29·670	29·672	29·690	29·707	29·715	29·725	29·724	29·724	29·724	29·718	29·722
	4												
	5	29·776	29·768	29·780	29·780	29·790	29·801	29·805	29·795	29·772	29·760	29·744	29·730
	6	· 29·704	29·703	29·709	29·718	29·733	29 748	29·748	29·739	29·725	29·712	29·689	29·685
	7	29·699	29·700	29·696	29·700	29·708	29·718	29·719	29·704	29·698	29·685	29·670	29·664
	8	29·695	29·696	29·694	29·704	29·718	29·728	29·732	29·737	29·731	29·717	29·693	29·689
	9	29·715	29·696	29·699	29·716	29·730	29·740	29·749	29·755	29·747	29·736	29·736	29·728
	10	29·711	29·694	29·701	29 715	29·731	29·742	29·757	29·749	29·730	29·723	29·718	29·704
	11												
	12	29·579	29·582	29·597	29·616	29·627	29·635	29·636	29·635	29·616	29·596	29·586	29·592
	13	29·561	29·540	29·564	29·590	29·594	29·631	29·631	29·626	29·602	29·585	29·585	29·592
	14	29·586	29·602	29·606	29·618	29·641	29·657	29·659	29·651	29·636	29·622	29·617	29·619
	15	29·593	29·586	29·610	29·626	29·647	29·663	29·675	29·675	29·667	29·653	29·643	29·634
	16	29·644	29·638	29·619	29·667	29·704	29·716	29·721	29·706	29·688	29·663	29·646	29·636
	17	29·604	29·600	29·598	29·616	29·628	29·641	29·652	29·645	29·631	29·605	29·591	29·582
	18												
	19	29·687	29·690	29·703	29·718	29·733	29·741	29·748	29·740	29·622	29·712	29·698	29·688
	20	29·696	29·688	29·697	29·721	29·734	29·742	29·747	29·748	29·733	29·704	29·692	29·682
	21	29·633	29·638	29·642	29·648	29·674	29·674	29·681	29·666	29·641	29·640	29·616	29·599
	22	29·560	29·547	29 559	29·580	29·596	29·605	29·618	29·600	29·610	29·599	29·581	—
	23	—	—	—	—	—	—	—	—	—	—	29·591	29·579
	24	29·615	29·618	29·622	29·632	29·646	29·661	29·668	29·657	29·647	29·625	29·600	29·593
	25												
	26	29·577	29·580	29·588	29·604	29·622	29·534	29·643	29·638	29·628	29·623	29·612	29·605
	27	29·630	29·618	29·630	29·662	29·672	29·678	29·689	29·688	29·681	29·677	29·661	29·647
	28	29 658	29·656	29·664	29·677	29·687	29·695	29·714	29·698	29·691	29·679	29·673	29·661
	29	29·623	29·618	29·632	29·638	29·649	29·647	29·645	29·643	29·633	29·624	29·600	29·596
	30	29·570	29·564	29·674	29·583	29·578	29·579	29·579	29·575	29·568	29·565	29·548	29·548
	31	29·565	29·559	29·560	29·574	29·591	29·602	29·617	29·618	29·612	29·601	29·585	29·585

BAROMETER, No. 48, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

Date.	Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
JUNE, 1846.	1												
	2												
	3												
	4												
	5	29·689	29·697	29·715	29·728	29·743	29·756	29·732	29·722	29·704	29·684	29·677	29·653
	6												
	7	29·704	29·712	29·736	29·751	29·775	29·770	29·783	29·777	29·751	29·727	29·699	29·672
	8	29·699	29·705	29·723	29·736	29·746	29·744	29·744	29·736	29·722	29·701	29·674	29·653
	9	29·655	29·669	29·685	29·704	29·720	29·733	29·729	29·732	29·711	29·694	29·673	29·656
	10	29·621	29·624	29·637	29·656	29·672	29·681	29·681	29·665	29·660	29.637	29·629	29·612
	11	29·515	29·508	29·517	29·533	29·547	29·546	29·544	29·531	29·512	29·502	29·469	29·430
	12	29·522	29·524	29·550	29·559	29·585	29·591	29·584	29·608	29·606	29·591	29·585	29·566
	13												
	14	29·597	29·616	29·638	29·654	29·671	29·683	29·681	29·679	29·673	29·657	29·645	29·618
	15	29·613	29·634	29·656	29·679	29·688	29·687	29·682	29·676	29·659	29·637	29·621	29·603
	16	29·582	29·587	29·606	29·623	29·637	29·658	29·661	29·656	29·617	29·621	29·601	29·600
	17	29·555	29·515	29·576	29·607	29·626	29·646	29·634	29·606	29·593	29·586	29·576	29·558
	18	29·553	29·558	29·588	29·613	29·626	29·631	29·636	29·642	29·621	29·594	29·584	29 567
	19	29·611	29·621	29·633	29·655	29·678	29·692	29·697	29·695	29·689	29·675	29 662	29·647
	20												
	21	29·740	29·753	29·776	29·789	29·801	29·803	29·799	29·790	29·778	29·765	29·742	29·742
	22	29·674	29·673	29·685	29 698	29·710	29·718	29·713	29·704	29·703	29·680	29·660	29·641
	23	29·576	29·577	29·587	29·607	29·623	29·616	29·619	29·622	29·610	29·608	29·591	29·585
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	29·560	29·565	29·582	29·599	29·613	29·617	29·632	29·616	29·600	29·585	29·565	29·537
	26	29·484	29·472	29·490	29·501	29·500	29·502	29·511	29·518	29·501	29·491	29·476	29·457
	27												
	28	29·506	29·508	29·516	29·533	29·556	29·571	29·578	29·578	29·573	29·563	29·551	29·542
	29	29·592	29·594	29·618	29·639	29·655	29·671	29·677	29·667	29·657	29·647	29·631	29·603
	30	29·612	29·622	29·637	29·645	29·656	29·663	29·660	29·654	29·637	29·625	29·617	29·604
	31												

BAROMETER, No. 48, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

Date.	Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
JULY 1846.	1	29·586	29·581	29·595	29·607	29·621	29·625	29·631	29·634	29·635	29·612	29·605	29·600
	2	29·598	29·601	29·631	29·651	29·676	29·683	29·702	29·696	29·690	29·676	29·674	29·661
	3	29·722	29·735	29·748	29·769	29·789	29·800	29·805	29·800	29·785	29·776	29·764	29·749
	4												
	5	29·726	29 729	29·743	29·765	29·783	29.782	29·779	29·765	29·745	29·733	29·723	29·711
	6	29·685	29·687	29·710	29·714	29·725	29·743	29 752	29·738	29·732	29·725	29·715	29·701
	7	29·667	29·669	29·693	29·722	29·736	29·753	29·757	29·756	29·742	29·728	29·717	29·704
	8	29·691	29·703	29·722	29·740	29·760	29·762	29·763	29·755	29·746	29·741	29·728	29.725
	9	29·738	29·732	29·737	29·759	29·770	29·781	29·773	29·769	29·758	29·749	29·738	29·721
	10	29·714	29·719	29·733	29·736	29·738	29·747	29·751	29·744	29·741	29·728	29·705	29·674
	11												
	12	29·591	29·592	29·596	29·624	29·635	29·642	29·658	29·651	29·631	29·607	29·594	29·574
	13	29·609	29·629	29·624	29·627	29·637	29·660	29·662	29.653	29·656	29·641	29·626	29·605
	14	29·632	29·624	29·645	29·651	29·665	29·664	29·671	29·672	29·654	29·643	29·624	29·605
	15	29·638	29·643	29·656	29·675	29·693	29·707	29·696	29·703	29·690	29·676	29·657	29·648
	16	29·629	29·624	29·633	29·644	29·644	29·654	29·645	29·648	29·643	29·638	29·627	29·620
	17	29·594	29·604	29·623	29·642	29·664	29·696	29·696	29·685	29·674	29·656	29·647	29·644
	18												
	19	29·686	29·657	29·703	29·717	29·723	29·741	29·743	29·743	29 738	29·717	29·712	29·710
	20	29·680	29·678	29·685	29·691	29·708	29·717	29·724	29·708	29·696	29·681	29·662	29·636
	21	29·598	29·596	29·609	29·618	29·632	29·636	29·643	29·643	29·626	29·610	29·596	29·578
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	29·573	29·581	29·597	29·612	29·623	29·630	29·630	29·637	29·636	29·642	29·639	29·618
	24	29·585	29·576	29·594	29·604	29·606	29·618	29·638	29·636	29·649	29·639	29·609	29·590
	25												
	26	29·609	29·615	29·630	29·643	29·659	29·666	29·669	29·665	29·659	29·657	29·639	29·630
	27	29·645	29·652	29·662	29·682	29·691	29·698	29·697	29 697	29·697	29·685	29·674	29·663
	28	29·665	29·661	29·677	29·686	29·699	29·708	29·706	29·703	29·688	29·674	29·650	29·633
	29	29·594	29·592	29·611	29·626	29·637	29·645	29·646	29·638	29·620	29·606	29·593	29·581
	30	29·548	29·544	29·563	29·580	29·509	29·613	29·614	29·601	29·596	29·589	29·582	29·576
	31	29·585	29·604	29·617	29·630	29·650	29·667	29·673	29·677	29·666	29·653	29·636	29·626

BAROMETER, N°. 48, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
AUGUST, 1846.	1												
	2	29·662	29·669	29·684	29·690	29·718	29·719	29·726	29·722	29·710	29·700	29·683	29·685
	3	29·679	29·681	29·691	29·710	29·732	29·742	29·745	29·742	29·732	29·727	29·691	29·682
	4	29·677	29·678	29·685	29·698	29·710	29·718	29·720	29·716	29·706	29 690	29·676	29·666
	5	29·653	29·638	29·644	29·659	29·676	29·695	29·710	29·691	29·693	29·693	29·658	29·666
	6	29·695	29·698	29·706	29·729	29·748	29·763	29·777	29·767	29·765	29·752	29·732	29·728
	7	29·741	29·751	29·761	29·768	29·781	29·789	29·803	29·801	29·792	29·770	29·756	29·740
	8												
	9	29·690	29·689	29·703	29·719	29·740	29·748	29·752	29·740	29·728	29·715	29·701	29·692
	10	29·742	29·741	29·761	29·772	2 ·789	29·804	29·803	29·794	29·780	29·777	29·758	29·755
	11	29·789	29·785	29·790	29·804	29·813	29.814	29·823	29·822	29·807	29·806	29·790	29·773
	12	29·738	29·724	29·728	29·737	29·752	29·767	29·770	29·769	29·752	29·740	29·718	29·716
	13	29·739	29·741	29·744	29·763	29·775	29·792	29·793	29·786	29·772	29·769	29·756	29·756
	14	29·800	29·799	29·815	29·811	29 825	29·824	29·827	29·822	29·811	29·801	29·783	29·783
	15												
	16	29·683	29·692	29·702	29·713	29·732	29·742	29·749	29 727	29·713	29·696	29·682	29·673
	17	29·695	29·694	29·700	29·712	29·728	29·746	29·748	29·736	29·715	29·699	29 688	29·668
	18	29·661	29·660	29·668	29·675	29·686	29·698	29·702	29·700	29·679	29·669	29·658	29·651
	19	29·666	29·661	29·675	29·685	29·698	29·720	29·725	29·720	29·701	29·695	29·676	29·676
	20	29·703	29·701	29·710	29·713	29·730	29·738	29·741	29·729	29·718	29·719	29·704	29·694
	21	29·728	29·726	29·736	29·748	29·767	29·773	29·773	29·760	29·751	29·751	29·738	29·728
	22												
	23	29·734	29 727	29·726	29·740	29·747	29·755	29·756	29·742	29·735	29·726	29·712	29·708
	24	29·697	29·687	29·708	29·718	29·730	29·745	29·745	29·735	29·728	29·724	29·718	29·717
	25	29·707	29·700	29·708	29·722	29·747	29 757	29·759	29·759	29·744	29·744	29·736	29·724
	26	29·694	29·690	29·695	29·703	29·720	29·722	29·730	29·725	29·716	29·696	29·691	29·677
	27	29·657	29 664	29.670	29·675	29·690	29·710	29·710	29·690	29·678	29·678	29·671	29·660
	28	29·667	29.675	29·688	29·687	29·696	29·710	29·710	29·706	29·697	29·696	29·680	—
	29	—	—	—	—	—	—	—	—	—	—	29·744	29·741
	30												
	31	29·733	29·733	29·758	29·765	29·775	29·783	29·775	29·759	29·745	29·740	29·723	29·713

BAROMETER, N°. 48, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

Date.	Göttingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
SEPTEMBER, 1846.	1	29·692	29·693	29·710	29·719	29·733	29·742	29·741	29·721	29·711	29·699	29·681	29·677
	2	29·674	29·673	29·688	29·701	29·722	29·732	29·731	29·727	29·715	29·712	29·696	29·694
	3	29·683	29·698	29·713	29·721	29·736	29·747	29·745	29·730	29·719	29·714	29·701	29·693
	4	29·664	29.662	29·681	29·708	29·725	29·736	29·745	29·743	29·735	29·732	29·710	29·697
	5												
	6	29·622	29·625	29·641	29·657	29·674	29·691	29·687	29·676	29·663	29·649	29·639	29·632
	7	29·639	29·641	29·661	29·678	29·696	29·707	29·716	29·715	29·709	29·698	29·688	29·677
	8	29·700	29·704	29·707	29·724	29·735	29·757	29·756	29·756	29·744	29·736	29·734	29·732
	9	29·739	29·741	29·760	29·776	29·791	29·807	29·809	29·799	29·791	29·778	29·764	29·755
	10	29 748	29·747	29·753	29·772	29·798	29·810	29·803	29·800	29·779	29·768	29·748	29·747
	11	29·755	29·756	29·770	29·784	29·806	29·815	29·819	29·807	29·799	29·793	29·770	29·760
	12												
	13	29·683	29·696	29·713	29·737	29·747	29·765	29·768	29·758	29 757	29·742	29·730	29·712
	14	29·722	29·723	29·741	29·759	29·783	29·793	29·795	29·793	29·780	29·769	29·749	29·740
	15	29·736	29·742	29·750	29·769	29·794	29·816	29·817	29·809	29·790	29·778	29·759	29·747
	16	29·710	29·702	29·718	29·742	29·758	29·766	29·770	29·759	29·738	29·719	29·701	29·689
	17	29·688	29·698	29·714	29·743	29·755	29·774	29·778	29·769	29·764	29·753	29·741	29·743
	18	29·784	29·789	29·799	29·807	29·825	29·843	29·848	29·843	29·833	29·811	29·802	29·801
	19												
	20	29·740	29·740	29·748	29·765	29·758	29·802	29·826	29·806	29·791	29·765	29·762	29·750
	21	29·736	29·743	29·747	29·767	29·784	29·806	29·796	29·794	29·788	29·776	29·763	29·753
	22	29·756	29·760	29·767	29·785	29 803	29·815	29·812	29·809	29·799	29·785	29·775	29·773
	23	92·739	29·738	29·746	29·767	29 782	29·798	29·802	29·796	29·785	29·778	29·768	—
	24	—	—	—	—	—	—	—	—	—	—	29·820	29·814
	25	29·828	29·825	29·837	29·859	29·872	29·885	29·895	29·885	29·871	29·858	29·848	29 842
	26												
	27	29·784	29·795	29·811	29·835	29·855	29·865	29·864	29·856	29·844	29·832	29·810	29·804
	28	29·788	29·796	29·808	29·814	29·841	29·856	29·858	29·839	29·843	29·834	29·821	29·819
	29	29·773	29·765	29·779	29·793	29·814	29·826	29·826	29·825	29·818	29·816	29·812	29·803
	30	29·790	29·802	29·813	29·829	29·846	29·856	29·857	29·847	29·841	29·827	29·817	29·814
	31												

Date.	Göttingen Mean Time.	BAROMETER, No. 48, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.											
		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
AUGUST, 1846.	1												
	2	29·682	29·680	29·688	29·706	29·728	29·838	29·745	29·737	29·728	29·713	29·706	29·690
	3	29·679	29·678	29·692	29·710	29·726	29·740	29·739	29·732	29·725	29·716	29·699	29·683
	4	29·666	29·674	29·687	29·697	29·724	29·737	29·730	29·725	29·708	29·688	29·676	29·663
	5	29·664	29·672	29·687	29·702	29·722	29·732	29·738	29·740	29·733	29·725	29·707	29·697
	6	29·738	29·745	29·764	29·777	29·793	29·793	29·802	29·803	29·791	29·775	29·759	29·748
	7	29·740	29·740	29·753	29·760	29·779	29·786	29·793	29·787	29·769	29·753	29·736	29·720
	8												
	9	29·698	29·700	29·717	29·740	29·743	29·762	29·766	29·775	29·762	29·767	29·750	29·744
	10	29·765	29·775	29·790	29·872	29·830	29·740	29·840	29·835	29·829	29·818	29·800	29·750
	11	29·766	29·761	29·785	29·798	29·813	29·825	29·722	29·815	29·800	29·782	29·765	29·752
	12	29·710	29·718	29·736	29·747	29·770	29·787	29·791	29·791	29·786	29·776	29·758	29·745
	13	29·759	29·767	29·791	29·813	29·838	29·785	29·841	29·853	29·842	29·830	29·812	29·799
	14	29·781	29·777	29·789	29·812	29·840	29·849	29·839	29·834	29·817	29·799	29·783	29·765
	15												
	16	29·686	29·693	29·700	29·720	29·738	29·749	29·750	29·747	29·743	29·735	29·718	29·698
	17	29·672	29·670	29·675	29·688	29·701	29·705	29·715	29·714	29·706	29·693	29·674	29·665
	18	29·647	29·644	29·669	29.689	29·703	29·729	29·729	29·726	29·705	29·698	29·684	29·672
	19	29·680	29·674	29·701	29·728	29·746	29·762	29·764	29·758	29·747	29·729	29·714	29·701
	20	29·704	29·703	29·734	29·756	29·767	29·765	29·784	29·784	29·778	29·763	29·750	29·734
	21	29·721	29·729	29·745	29·759	29·789	29·796	29·786	29·797	29·786	29.769	29·753	29·749
	22												
	23	29·702	29·698	29·711	29·734	29·744	29·750	29.759	29·757	29·747	29·730	29·715	29·702
	24	29·719	29·713	29·733	29·751	29·773	29·773	29·776	29·778	29·758	29·735	29·726	29·716
	25	29·718	29·723	29·741	29·747	29·769	29·775	29·773	29·766	29·719	29·733	29·717	29·703
	26	29·673	29·670	29·690	29·697	29·717	29·732	29·732	29·727	29·712	29·693	29·676	29·666
	27	29·668	29·670	29·682	29·701	29·715	29·722	29·722	29·719	29·712	29·696	29·682	29·673
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	29·748	29·749	29·777	29·790	29·807	29·820	29·822	29·815	29·801	29·789	29·779	29·775
	30												
	31	29·711	29·716	29·729	29·746	29·770	29·778	29·765	29·762	29·752	29·728	29·711	29·692

Date.	Göttingen Mean Time.	BAROMETER, No. 48, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.											
		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
SEPTEMBER, 1846.	1	29·677	29·674	29·687	29·710	29·735	29·746	29·755	29·743	29·733	29·710	29·696	29·676
	2	29·688	29·692	29·699	29·731	29·749	29·765	29·766	29·759	29·740	29·722	29·707	29·687
	3	29·691	29·697	29·712	29·722	29·741	29·742	29·750	29·737	29·724	29·700	29·684	29·668
	4	29·704	29·706	29·716	29·738	29·742	29·755	29·746	29·741	29·727	29·694	29·682	29·670
	5												
	6	29·637	29·648	29·650	29·673	29·692	29·705	29·715	29·710	29·700	29·680	29·666	29·648
	7	29·683	29·694	29·710	29·717	29·733	29·750	29·758	29·760	29·752	29·744	29·727	29·706
	8	29·736	29·742	29·751	29·763	29·785	29.800	29·810	29·807	29·792	29·776	29·757	29·741
	9	29·760	29·760	29·772	29·788	29·806	29·820	29·826	29·817	29·805	29·785	29·764	29·756
	10	29·750	29·761	29·781	29·795	29·819	29·822	29·829	29·821	29·810	29·791	29·775	29·758
	11	29·760	29·768	29·784	29·796	29·818	29·823	29·821	29·816	29·794	29·772	29·754	29·737
	12												
	13	29·712	29·721	29·736	29·757	29·775	29·789	29·791	29·792	29·780	29·762	29·743	29·734
	14	29·740	29·748	29·773	29·796	29·821	29·833	29·837	29·828	29·805	29·783	29·755	29·741
	15	29·742	29·742	29·753	29·781	29·778	29·794	29·800	29·738	29·763	29·739	29·722	29·707
	16	29·688	29·704	29·713	29·730	29·742	29·758	29·757	29·855	29·740	29·701	29·692	29·690
	17	29·749	29·764	29·785	29·811	29·842	29·859	29·854	29·850	29·834	29·811	29·801	29·789
	18	29·797	29·799	29·806	29·824	29·845	29·858	29·841	29·835	29·818	29·790	29·773	29·755
	19												
	20	29·750	29·754	29·775	29·805	29·820	29·824	29·821	29·822	29·801	29·779	29·759	29·744
	21	29·755	29·764	29·779	29·807	29·823	29·850	29·851	29·843	29·829	29·804	29·785	29·761
	22	29·767	29·774	29·784	29·800	—	—	—	—	29·798	29·775	29·753	29·739
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	29·812	29·820	29·844	29·862	29·885	29·896	29·904	29·892	29·880	29·859	29·838	29·833
	25	29·816	29·854	29·879	29·899	29·918	29·923	29·921	29·914	29·890	29·862	29·840	29·830
	26												
	27	29·796	29·806	29·845	29·864	29·894	29·910	29·902	29·886	29·852	29·833	29·801	29·789
	28	29·829	29·837	29·858	29·882	29·895	29·898	29·888	29·876	29·837	29·817	29·795	29·783
	29	29·814	29·819	29·845	29·865	29·883	29·908	29·908	29·896	29·871	29·835	29·808	29·791
	30	29·818	29·829	29·844	29·867	29·883	29·898	29·899	29·885	29·869	29·842	29·822	29·813
	31												

BAROMETER, No. 48, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
OCTOBER, 1846.	1	29·812	29·812	29·819	29·834	29·856	29·865	29·865	29·863	29·855	29·842	29·835	29·821
	2	29·802	29·801	29·819	29·837	29·846	29·860	29·861	29·851	29·843	29·825	29·802	29·798
	3												
	4	29·785	29·802	29·798	29·826	29·853	29·859	29·845	29·836	29·830	29·825	29·817	29·817
	5	29·759	29·773	29·783	29·802	29·828	29·850	29·859	29·838	29·832	29·807	29·801	29·808
	6	29·751	29·753	29·766	29·784	29·792	29·807	29·803	29·796	29·785	29·746	29·753	29·753
	7	29·725	29·729	29·734	29·765	29·760	29·781	29·776	29·757	29·750	29·748	29·742	29·731
	8	29·733	29·749	29·760	29·793	29·855	29·837	29·857	29·842	29·830	29·808	29·793	29·798
	9	29·792	29·795	29·822	29·854	29·881	29·866	29·874	29·849	29·859	29·843	29·823	29·833
	10												
	11	29·747	29·757	29·771	29·789	29·812	29·825	29·827	29·815	29·798	29·786	29·780	29·779
	12	29·746	29·754	29·759	29·773	29·783	29·792	29·791	29·786	29·785	29·776	29·768	29·769
	13	29·717	29·731	29·746	29·756	29·778	29·790	29·784	29·771	29·762	29·748	29·739	29·741
	14	29·700	29·706	29·720	29·738	29·753	29·763	29·750	29·745	29·728	29·720	29·709	29·713
	15	29·672	29·678	29·697	29·709	29·731	29·739	29·740	29·735	29·730	29·725	29·711	29·723
	16	29·711	29·719	29·738	29·762	29·783	29·790	29·788	29·788	29·775	29·759	29·755	29·755
	17												
	18	29·774	29·794	29·806	29·829	29·874	29·858	29·855	29·844	29·831	29·821	29·810	29·824
	19	29·746	29·747	29·761	29·797	29·807	29·817	29·814	29·802	29·793	29·774	29·761	29·749
	20	29·690	29·691	29·698	29·718	29·732	29·742	29·741	29·731	29·721	29·720	29·707	29·692
	21	29·643	29·648	29·660	29·682	29·701	29·709	29·713	29·710	29·705	29·701	29·696	—
	22	—	—	—	—	—	—	—	—	—	—	29·726	29·728
	23	29·729	29·742	29·744	29·770	29·797	29·810	29·811	29·807	29·806	29·793	29·789	29·789
	24												
	25	29·802	29·815	29·824	29·845	29·863	29·866	29·860	29·852	29·845	29·845	29·841	29·847
	26	29·832	29·846	29·857	29·879	29·895	29·899	29·899	29·891	29·880	29·865	29·858	29·854
	27	29·835	29·840	29·847	29·864	29·882	29·883	29·884	29·875	29·870	29·857	29·851	29·840
	28	29·814	29·821	29·835	29·857	29·874	29·872	29·862	29·850	29·834	29·820	29·812	29·808
	29	29·802	29·804	29·818	29·837	29·857	29·854	29·846	29·837	29·825	29·829	29·816	29·807
	30	29·774	29·783	29·791	29·820	29·841	29·855	29·852	29·846	29·826	29·815	29·802	29·803
	31												

BAROMETER, No. 48, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
NOVEMBER, 1846.	1	29·812	29·823	29·829	29·849	29·873	29·874	29·866	29·861	29·847	29·840	29·825	29·822
	2	29·831	29·813	29·859	29·882	29·901	29·913	29·912	29·898	29·895	29·882	29·867	29·859
	3	29·852	29·859	29·871	29·890	29·906	29·905	29·907	29·895	29·883	29·869	29·847	29·843
	4	29·796	29·794	29·805	29·828	29·847	29·843	29·837	29·827	29·819	29·809	29·793	29·789
	5	29·772	29·776	29·796	29·828	29·841	29·850	29·859	29·873	29·873	29·874	29·861	29·859
	9	29·868	29·883	29·889	29·907	29·919	29·929	29·936	29·939	29·926	29·918	29·899	29·890
	7												
	8	29·852	29·865	29·881	29·900	29·931	29·942	29·942	29·930	29·920	29·914	29·906	29·901
	9	29·865	29·878	29·889	29·907	29·931	29·939	29·929	29·909	29·908	29·901	29·899	29·898
	10	29·846	29·861	29·869	29·892	29·909	29·920	29·922	29·902	29·894	29·883	29·866	29·862
	11	29·831	29·835	29·849	29·874	29·898	29·902	29·904	29·897	29·881	29·874	29·863	29·856
	12	29·846	29·852	29·863	29·888	29·910	29·925	29·927	29·920	29·919	29·915	29·901	29·907
	13	29·883	29·891	29·916	29·939	29·963	29·975	29·974	29·970	29·959	29·951	29·940	29·933
	14												
	15	29·908	29·914	29·924	29·938	29·949	29·957	29·962	29·952	29·943	29·935	29·925	29·914
	16	29·880	29·883	29·893	29·908	29·927	29·939	29·935	29·924	29·903	29·897	29·882	29·877
	17	29·864	29·871	29·884	29·899	29·923	29·933	29·923	29·912	29·912	29·910	29·904	29·906
	18	29·901	29·910	29·921	29·944	29·959	29·972	29·974	29·974	29·961	29·956	29·950	29·951
	19	29·888	29·892	29·910	29·929	29·957	29·973	29·973	29·970	29·958	29·953	29·950	29·947
	20	29·861	29·865	29·869	29·885	29·906	29·920	29·938	29·945	29·946	29·943	29·933	29·932
	21												
	22	29·877	29·881	29·893	29·914	29·931	29·933	29·935	29·923	29·909	29·908	29·893	29·891
	23	29·871	29·875	29·886	29·906	29·916	29·925	29·934	29·926	29·911	29·910	29·906	29·901
	24	29·854	29·851	29·868	29·888	29·897	29·903	29·906	29·900	29·889	29·876	29·861	29·857
	25	29·836	29·843	29·858	29·879	29·901	29·906	29·911	29·903	29·890	29·887	29·876	29·865
	26	29·811	29·825	29·844	29·864	29·871	29·890	29·884	29·870	29·850	29·832	29·806	29·819
	27	29·827	29·838	29·859	29·892	29·901	29·911	29·900	29·892	29·882	29·874	29·871	
	28	—	—	—	—	—	—	—	—	—	—	29·950	29·946
	29												
	30	29·869	29·888	29·900	29·920	29·938	29·947	29·920	29·932	29·924	29·914	29·899	29·895
	31												

BAROMETER, No. 48, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

Date.	Göttingen Mean Time.	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
OCTOBER, 1846.	1	29·831	29·845	29·874	29·898	29·917	29·930	29·929	29·906	29·877	29·853	29·829	29·809
	2	29·802	29·818	29·841	29·860	29·888	29·895	29·893	29·882	29·847	29·830	29·804	29·782
	3												
	4	29·821	29·829	29·848	29·870	29·890	29·896	29·889	29·875	29·837	29·809	29·781	29·762
	5	29·809	29·833	29·857	29·862	29·877	29·884	29·887	29·869	29·847	29·806	29·779	29·747
	6	29·753	29·761	29·783	29·813	29·826	29·841	29·853	29·841	29·815	29·771	29·727	29·724
	7	29·747	29.771	29·791	29·810	29·838	29·843	29·837	29·821	29·789	29·777	29·749	29·725
	8	29·809	29·821	29·850	29·875	29·892	29·917	29·917	29·893	29·861	29·831	29·806	29·790
	9	29·827	29·839	29·867	29·895	29·915	29·925	29·920	29·899	29·879	29·853	29·833	29·807
	10												
	11	29·776	29·785	29·801	29·830	29·850	29·861	29·857	29·833	29·804	29·771	29·754	29·735
	12	29·771	29·784	29·814	29·832	29·858	29·865	29·858	29·823	29·784	29·757	29·732	29·717
	13	29·749	29·760	29·785	29·802	29·818	29·833	29·823	29·790	29·759	29·742	29·714	29·707
	14	29·721	29·731	29·754	29·778	29·792	29·793	29·786	29·756	29·732	29·710	29·686	29·670
	15	29·735	29·737	29·767	29·789	29·798	29·814	29·814	29·795	29·767	29·743	29·710	29·703
	16	29·758	29·772	29·803	29·836	29·853	29·856	29·854	29·834	29·813	29·789	29·765	29·749
	17												
	18	29·824	29·820	29·843	29·856	29·879	29·897	29·880	29·856	29·838	29·802	29·775	29·756
	19	29·748	29·765	29·781	29·807	29·827	29·837	29·829	29·806	29·774	29·738	29·711	29·696
	20	29·704	29·710	29·729	29·749	29·773	29·783	29·779	29·756	29·723	29·699	29·672	29·655
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	29·735	29·739	29·763	29·784	29·808	29·817	29·815	29·802	29·773	29·754	29·745	29·731
	23	29·796	29·808	29·830	29·850	29·870	29·888	29·881	29·862	29·837	29·819	29·798	29·784
	24												
	25	29·861	29·869	29·892	29·916	29·934	29·946	29·942	29·919	29·884	29·857	29·836	29·827
	26	29·864	29·877	29·901	29·931	29·946	29·957	29·944	29·920	29·887	29·865	29·840	29·836
	27	29·848	29·860	29·891	29·919	29·937	29·947	29·939	29·910	29·868	29·837	29·823	29·810
	28	29·809	29·824	29·851	29·879	29·896	29·909	29·908	29·881	29·848	29·829	29·805	29·795
	29	29·807	29·809	29·849	29.873	29·894	29·915	29·905	29·885	29·851	29·820	29·788	29·777
	30	29·809	29·827	29·851	29·881	29·904	29·922	29·916	29·891	29·855	29·830	29·809	29·801
	31												

BAROMETER No. 48, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

Date.	Göttingen Mean Time.	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
NOVEMBER, 1846.	1	29·831	29·836	29·859	29·886	29·914	29·937	29·929	29·915	29·885	29·858	29·837	29·829
	2	29·859	29·860	29·885	29·911	29·930	29·953	29·955	29·931	29·905	29·887	29.870	29·854
	3	29·842	29·846	29·867	29·886	29·900	29·913	29·907	29·884	29·846	29·829	29·799	29·789
	4	29·792	29·797	29·827	29·855	29·878	29·893	29·890	29·860	99·829	29·802	29·783	29·770
	5	29·860	29·873	29·899	29·921	29·943	29·957	29·954	29·939	29·911	29·890	29·865	29·862
	6	29·887	29·895	29·913	29·936	29·954	29·970	29·966	29·938	29·908	29·878	29·867	29·851
	7												
	8	29·903	29·917	29·947	29·967	29·998	30·009	29.998	29·968	29·940	29·908	29·883	29·869
	9	29·905	29·923	29·943	29·972	29·988	30·009	29.997	29·906	29·929	29·899	29·863	29·852
	10	29·859	29·875	29·896	29·921	29·945	29·960	29.947	29·919	29.884	29·855	29·835	29·830
	11	29·857	29·883	29·910	29·938	29·963	29·977	29.975	29·950	29·915	29·882	29·862	29·853
	12	29·909	29·935	29·953	29·986	30·006	30·096	30.022	30·004	29·968	29·931	29·903	29·884
	13	29·943	29·958	29·985	30·013	30·032	30·047	30.039	30·019	29·984	29·949	29·927	29·905
	14												
	15	29·920	29·932	29·960	29·988	30·090	30·020	30·010	29·986	29·954	29·919	29·889	29·883
	16	29·885	29·897	29·930	29·954	29·975	29·987	29·977	29·951	29·925	29·892	29·874	29·866
	17	29·912	29·933	29·963	29·990	30·015	30·035	30·018	29·995	29·964	29·937	29·920	29·906
	18	29·954	29·968	29·991	30·020	30·050	30·066	30·057	30·029	29·988	29·946	29·919	29·902
	19	29·951	29·966	29·995	30·020	30·045	30·055	30·043	30·000	29·964	29·921	29·892	29·873
	20	29·928		29·965	29·982	29·997	30·017	30·004	29·984	29·947	29·913	29·884	29·866
	21												
	22	29·891	29·909	29·923	29·943	29·965	29·977	29·974	29·954	29·929	29·900	29·881	29·869
	23	29·902	29·910	29·930	29·953	29·978	29·989	29·982	29·950	29·925	29.982	29·872	29·855
	24	29·857	29·864	29·898	29·925	29·950	29·960	29·950	29·932	29·902	29·873	29·848	29·839
	25	29·864	29·877	29·886	29·910	29·933	29·944	29·934	29·913	29·871	29·845	29·817	29·815
	26	29·824	29·840	29·870	29·898	29·919	29·934	29·920	29·891	29·866	29·843	29·814	29·814
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	29·952	29·961	29·983	30·016	30·041	30·052	30·039	30·014	29·979	29·943	29·915	29·908
	29												
	30	29·892	29·901	29·918	29·945	29·972	29·984	29·984	29·963	29·931	29·903	29·882	29·874
	31												

BAROMETER, No. 48, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
DECEMBER, 1846.	1	29·876	29·882	29·894	29·921	29·938	29·945	29·943	29·933	29·923	29·914	29·903	29·897
	2	29·885	29·890	29·896	29·917	29·936	29·950	29·953	29·949	29·945	29·938	29·927	29·917
	3	29·889	29·896	29·907	29·928	29·949	29·967	29·963	29·956	29·946	29·942	29·919	29·906
	4	29·871	29·870	29·885	29·903	29·919	29·933	29·930	29·912	29·897	29·893	29·866	29·859
	5												
	6	29·878	29·885	29·886	29·917	29·930	29·930	29·934	29·925	29·918	29·925	29·914	29·904
	7	29·873	29·882	29·891	29·909	29·922	29.930	29·931	29·912	29·898	29·892	29·877	29·869
	8	29·867	29·886	29·901	29·929	29·947	29·954	29·950	29·939	29·913	29·901	29·892	29·895
	9	29·857	29·859	29·872	29·894	29·914	29·924	29·918	29·905	29·886	29·885	29·873	29·867
	10	29·862	29·873	29·890	29·919	29·947	29·954	29·955	29·950	29·941	29·938	29·922	29·914
	11	29·914	29·914	29·932	29·953	29·972	29·979	29·978	29·970	29·956	29·948	29·931	29·907
	12												
	13	29·886	29·887	29·894	29·904	29·912	29·910	29·920	29·911	29·895	29·894	29·885	29·876
	14	29·834	29·843	29·858	29·885	29·901	29·922	29·923	29·920	29·906	29·904	29·886	29·876
	15	29·889	29·890	29·899	29·919	29·937	29·948	29·941	29·931	29·917	29·918	29·907	29·899
	16	29·855	29·859	29·870	29·893	29·914	29·931	29·941	29·933	29·921	29·918	29·904	29·898
	17	29·835	29·847	29·856	29·876	29·898	29·909	29·909	29·900	29·889	29·881	29·869	29·855
	18	29·792	29·794	29·809	29·835	29·855	29·873	29·873	29·858	29·847	29·839	29·820	29·818
	19												—
	20	29·854	29·864	29·880	29·903	29·924	29·940	29·936	29·919	29·908	29·906	29·884	29·872
	21	29·843	29·849	29·863	29·881	29·900	29·913	29·916	29·909	29·901	29·902	29·892	29·890
	22	29·876	29·883	29·890	29·904	29·918	29·923	29·920	29·910	29·905	29·903	29·902	29·896
	23	29·872	29·875	29·892	29·912	29·936	29·947	29·950	29·941	29·933	29·918	29.912	
	24	—	—	—	—	—	—	—	—	—	—	29·915	29·906
	25	29·898	29·901	29·924	29·948	29·963	29·980	29·975	29·960	29·948	29·936	29·927	29·920
	26												
	27	29·873	29·887	29·897	29·920	29·943	29·951	29·955	29·942	29·927	29·914	29·906	29·906
	28	29·895	29·903	29·903	29·928	29·948	29·969	29·970	29·958	29·953	29·941	29·927	29·914
	29	29·916	29·928	29·948	29·973	29·997	30·007	30·009	29·996	29·984	29·977	29·962	29·956
	30	29·936	29·947	29·966	29·992	30·011	30·018	30·027	30·017	30·009	29·997	29·987	29·980
	31	29·978	29·986	29·994	30·027	30·040	30·047	30·047	30·036	30·025	30·005	29·990	29·984

STANDARD THERMOMETER.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
JANUARY, 1846.	1	80°·4	79°·9	78·8	78·2	77°·7	77·2	77°·0	77°·0	77°·7	76°·9	76°·9	76°·9
	2	82·8	82·0	80·5	79·3	78·6	77·9	77·5	76·7	77·2	76·9	76·7	77·0
	3												
	4	82·0	80·3	79·3	78·1	77·2	76·9	76·8	76·9	77·8	76·0	74·9	74·9
	5	79·8	78·9	78·0	77·4	77·0	76·5	75·8	74·9	74·0	74·0	74·3	74·0
	6	79·8	78·6	77·4	77·0	76·9	75·6	74·9	74·5	74·4	74·0	73·0	73·0
	7	79·8	78·7	77·6	77·4	76·9	75·4	74·7	73·9	73·3	74·0	71·2	71·4
	8	80·7	—	79·0	77·4	77·3	76·4	74.5	75·0	74·5	74·0	74·5	73·8
	9	79·2	78·4	77·4	76·3	76·2	75·7	74·6	73·8	73·5	74·0	73·5	72·7
	10												
	11	80·5	80·0	78·2	77·3	76·9	76·5	75·2	75·5	76·1	75·9	75·5	74·9
	12	80·4	79·3	78·1	78·0	77·5	77·0	76·4	75·0	75·5	75·9	75·7	75·1
	13	81·0	79·7	78·4	78·0	77·5	77·0	76·2	75·7	75·6	75·1	74·9	74·8
	14	82·5	81·7	80·3	79·4	77·7	77·6	77·7	77·5	77·2	77·3	76·4	76·0
	15	84·1	83·0	81·5	80·5	79·4	78·0	77·8	78·5	78·4	78·0	77·4	76·9
	16	82·9	82·1	80·3	79·0	78·5	77·8	77·6	77·5	77·0	76·7	75·5	74·9
	17												
	18	81·8	80·7	79·3	79·0	78·7	77·5	75·7	75·6	75·7	75·3	75·0	73·6
	19	81·4	80·5	79·2	78·6	78·2	77·2	76·1	75·6	75·5	75·4	75·0	74·6
	20	81·7	80·6	79·0	78·0	77·6	76·5	76·1	76·5	76·0	75·9	75·1	74·2
	21	80·3	78·8	78·1	77·7	77·3	76·5	75·5	75·6	75·5	75·1	74·4	73·4
	22	80·3	79·3	78·4	77·7	77·5	77·4	75·6	75·0	75·0	74·4	73·9	72·3
	23	80·9	80·2	79·0	78·0	77·6	77·0	75·6	74·6	74·8	74·0	73·9	74·1
	24												
	25	78·5	77·5	75·7	75·3	75·2	75·1	74·7	74·2	73·7	72·9	72·7	72·8
	26	78·8	77·5	76·4	75·7	75·7	76·0	74·7	73·7	73·6	74·3	73·7	73·2
	27	78·9	78·1	76·5	76·1	75·7	75·0	73·9	73·1	73·2	72·3	72·3	72·1
	28	79·3	78·5	77·0	76·2	76·0	75·2	74·1	72·9	73·0	73·1	73·3	73·0
	29	79·4	78·2	77.2	76·7	76·7	74·0	73·0	73·2	73·5	72·9	72·6	72·6
	30	80·0	78·6	76·7	76·2	75·9	74·5	75·0	74·0	74·0	73·1	72·6	72·3
	31												

Date. Göttingen Mean Time.		BAROMETER, No. 48, CORRECTED FOR EXPANSION OF MERCURY AND BRASS.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
DECEMBER, 1846.	1	29·894	29·902	29·921	29·952	29·972	29·999	29·990	29·971	29·943	29·918	29·898	29·883
	2	29·917	29·929	29·946	29·963	29·981	29·999	29·993	29·970	29·943	29·921	29·896	29·890
	3	29·910	29·913	29·933	29·956	29·976	29·999	29·989	29·966	29·939	29·897	29·885	29·872
	4	29·859	29·871	29·895	29·922	29·957	29·973	29·970	29·949	29·918	29·891	29·871	29·860
	5												
	6	29·901	29·914	29·933	29·955	29·978	29·988	29·987	29·966	29·941	29·907	29·885	29·875
	7	29·872	29·885	29·894	29·921	29·945	29·955	29·954	29·946	29·920	29·897	29·875	29·871
	8	29·879	29·897	29·909	29·936	29·964	29·977	29·968	29·948	29·917	29·884	29·862	29·853
	9	29·868	29·878	29·898	29·918	29·942	29·955	29·956	29·938	29·914	29·880	29·857	29·853
	10	29·923	29·931	29·953	29·981	30·007	30·027	30·020	30·004	29·967	29·943	29·928	29·919
	11	29·914	29·921	29·952	29·978	29·999	30·016	30·013	29·995	29·958	29·923	29·896	29·893
	12												
	13	29·876	29·880	29·901	29·921	29·949	29·955	29·951	29·919	29·885	29·858	29·841	29·829
	14	29·885	29·898	29·918	29·952	29·979	29·997	29·994	29·979	29·952	29·928	29·908	29·892
	15	29·908	29·912	29·933	29·944	29·964	29·984	29·981	29·961	29·932	29·894	29·872	29·863
	16	29·900	29·907	29·920	29·940	29·957	29·973	29·970	29·945	29·907	29·878	29·854	29·838
	17	29·854	29·859	29·872	29·903	29·923	29·945	29·935	29·915	29·877	29·841	29·814	29·802
	18	29·818	29·834	29·852	29·877	29·906	29·930	29·922	29·905	29·873	29·842	29·829	29·819
	19												
	20	29·868	29·881	29·897	29·916	29·945	29·959	29·952	29·925	29·893	29·862	29·849	29·841
	21	29·891	29·905	29·918	29·952	29·983	29·998	29·988	29·967	29·931	29·903	29·881	29·874
	22	29·902	29·911	29·932	29·955	29·974	29·991	29·987	29·957	29·924	29·894	29·875	29·871
	23												
	24	29·913	29·920	29·937	29·964	29·997	30·013	30·014	29·994	29·951	29·926	29·900	29·896
	25	29·929	29·938	29·949	29·974	30·011	30·025	30·018	30·000	29·961	29·940	29·912	29·900
	26												
	27	29·914	29·922	29·938	29·967	29·995	30·016	30·022	30·002	29·972	29·942	29·916	29·900
	28	29·915	29·921	29·940	29·967	29·996	30·019	30·019	30·004	29·977	29·947	29·930	29·921
	29	29·963	29·976	29·991	30·014	30·039	30·056	30·053	30·039	30·004	29·977	29·949	29·935
	30	29·982	29·994	30·007	30·033	30·065	30·081	30·078	30·053	30·020	29·993	29·976	29·972
	31	30·011	30·021	30·038	30·068	30·100	30·116	30·118	30·100	30·072	30·041	30·015	29·997

Date. Göttingen Mean Time.		STANDARD THERMOMETER.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
JANUARY, 1846.	1	76°·8	76°·4	75°·9	75°·6	76°·4	79°·0	80°·0	81°·6	82°·0	82°·7	83°·4	83°·5
	2	76·5	76·0	75·7	74·6	75·1	76·5	77·0	78·7	80·5	82·7	83·2	83·3
	3												
	4	74·3	75·0	73·4	73·6	75·4	77·0	78·5	79·4	81·0	80·3	80·7	80·5
	5	73·5	74·0	73·8	73·3	73·7	76·0	77·5	78·0	78·5	79·0	79·4	80·2
	6	72·8	72·2	72·0	70·8	73·5	76·0	77·8	79·8	79·0	80·1	80·5	80·4
	7	70·0	70·0	68·9	68·9	72·8	74·5	76·8	78·8	80·5	80·5	81·2	81·2
	8	72·6	73·2	72·3	70·1	71·8	75·6	76·4	77·7	78·3	78·9	79·5	79·5
	9	72·2	70·5	69·7	70·3	72·3	74·5	75·7	76·6	77·7	78·5	79·2	79·5
	10												
	11	74·1	73·0	73·0	72·4	73·7	75·7	77·0	77·9	78·4	79·2	80·1	80·6
	12	74·8	74·4	72·7	71·7	73·9	75·7	77·9	79·4	81·5	81·4	81·4	81·6
	13	74·6	74·0	73·7	73·6	74·7	77·7	78·7	80·5	81·8	82·8	83·0	82·9
	14	75·2	74·7	74·6	74·7	74·8	77·2	78·6	80·0	80·7	82·5	83·7	84·3
	15	76·5	76·0	75·5	75·0	75·4	76·8	78·8	80·8	81·2	81·5	82·8	83·3
	16	74·6	73·7	73·7	73·0	74·2	76·6	78·7	80·0	80·5	81·3	81·9	82·2
	17												
	18	73·4	73·1	73·1	72·9	73·9	76·7	79·2	80·5	81·7	81·9	81·4	81·6
	19	73·6	74·0	73·6	73·5	74·7	76·3	78·1	80·6	81·2	81·6	81·7	81·9
	20	73·8	72·4	72·5	72·5	73·7	76·5	77·7	78·2	79·0	79·7	80·9	81·1
	21	73·1	71·9	73·0	73·0	73·7	76·0	77·3	78·9	79·7	80·5	80·9	80·7
	22	72·5	73·3	72·7	72·1	73·7	77·4	78·3	79·2	80·3	80·7	81·0	81·0
	23	73·3	72·0	71·6	72·7	74·0	75·3	76·6	77·2	77·8	78·5	79·0	78·9
	24												
	25	72·9	73·2	72·7	71·3	72·7	73·8	76·2	76·5	77·7	78·6	79·4	79·3
	26	72·0	71·0	71·4	71·9	72·3	73·8	75·7	77·2	77·8	78·4	79·0	79·0
	27	71·7	69·5	68·6	69·4	71·3	73·9	75·7	77·2	78·6	79·4	79·9	79·9
	28	73·1	72·0	70·9	71·0	71·7	74·7	76·4	77·7	78·2	79·0	79·6	80·1
	29	72·1	72·1	70·5	70·3	71·5	74·4	78·5	80·5	79·6	80·4	80·6	80·7
	30	71·7	72·0	72·0	72·0	73·0	74·5	76·0	77·3	78·2	78·8	79·8	80·3
	31												

Date. Göttingen Mean Time.		STANDARD THERMOMETER.											
		Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
FEBRUARY, 1846.	1	79°·8	79°·4	78°·3	77°·7	77°·5	77°·2	76°·9	76°·6	76°·4	76°·0	75°·6	75°·3
	2	80·2	79·7	78·0	77·0	76·5	76·2	76·1	75·7	75·1	74·5	74·2	73·9
	3	79·9	79·2	78·3	77·5	77·0	76·5	75·8	75·1	74·9	74·3	73·8	73·1
	4	81·3	80·2	79·0	78·4	78·0	77·6	77·1	75·4	74·6	74·3	74·3	73·7
	5	81·6	80·9	79·5	78·5	78·3	77·5	76·6	76·3	75·9	75·3	75·7	76·0
	6	83·7	82·7	81·1	79·7	79·2	78·1	76·9	77·1	77·3	77·0	76·7	76·6
	7												
	8	82·0	81·4	79·8	79·7	79·5	79·3	77·7	77·8	77·9	77·1	76·8	75·8
	9	80·4	79·7	78·5	77·7	77·5	77·2	77·2	76·9	76·8	76·6	75·9	74·8
	10	80·6	79·7	78·5	77·9	77·6	77·4	76·9	76·6	76·1	76·3	76·0	75·8
	11	79·9	79·2	78·2	77·3	77·0	76·6	76·5	76·4	76·2	76·0	76·0	75·8
	12	78·7	77·5	76·0	74·8	74·3	74·1	74·1	73·3	72·7	72·4	72·0	72·0
	13	78·8	77·7	76·5	76·0	75·3	74·9	74·9	74·5	73·5	73·2	72·8	72·7
	14												
	15	80·5	79·3	78·4	77·7	77·0	76·5	75·5	74·6	74·6	74·0	74·0	74·5
	16	82·8	81·3	80·6	79·0	78·8	78·7	77·9	78·1	77·7	77·2	77·2	77·2
	17	85·7	83·5	82·0	80·9	80·2	79·7	79·3	78·9	78·3	78·6	78·2	77·6
	18	83·8	82·9	81·2	78·4	78·7	78·9	78·6	78·0	78·0	78·0	77·6	76·1
	19	84·0	83·0	81·9	81·0	80·5	79·5	78·9	79·4	78·4	78·2	77·5	78·4
	20	82·0	81·7	80·8	80·7	80·5	79·6	78·5	78·4	77·1	75·5	75·0	75·2
	21												
	22	80·8	80·0	78·5	78·0	77·7	77·4	76·9	76·2	75·4	74·8	75·0	74·7
	23	80·5	79·7	78·5	77·5	77·3	77·1	76·9	76·7	76·6	76·5	76·2	75·9
	24	81·2	80·5	79·3	78·5	78·3	78·0	77·4	77·1	76·9	76·5	76·0	75·6
	25	81·0	80·1	78·9	78·3	77·6	77·2	76·7	76·1	75·9	75·1	75·2	75·0
	26	80·7	79·7	78·5	77·5	77·2	76·9	76·6	76·6	76·1	75·8	75·7	75·5
	27	80·8	80·0	78·3	77·5	77·2	77·2	76·9	76·3	75·9	76·0	75·4	74·6
	28	81·0	80·0	78·3	78·3	78·0	77·4	77·4	77·4	77·3	77·0	77·0	76·8
	29												
	30												
	31												

Date. Göttingen Mean Time.		STANDARD THERMOMETER.											
		Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
MARCH, 1846.	1												
	2	81°·3	80°·4	79°·4	78°·5	78°·3	78°·5	78°·1	78°·5	78°·7	78°·6	78°·1	77·3
	3	82·7	82·2	81·1	80·4	80·2	80·0	79·9	79·1	78·6	78·9	78·6	78·1
	4	81·8	81·2	80·0	79·5	79·2	79·0	78·6	78·2	77·7	77·3	77·0	76·9
	5	81.5	80·8	79·4	78·6	78·4	78·4	78·5	78·6	78·5	77·9	76·9	76·5
	6	82·0	81·3	80·5	80·0	79·8	79·7	79·4	79·1	78·7	78·4	77·9	77·6
	7												
	8	82·2	81·8	80·7	80·2	79·8	79·5	78·5	77·5	77·0	76·4	76·0	74·9
	9	82·8	82·2	80·9	80·3	79·8	79·0	79·3	79·1	79·2	77·7	77·5	76·5
	10	82·5	81·7	80·8	80·4	79·7	79·5	79·0	79·8	78·5	78·4	78·0	76·8
	11	82·5	81·2	80·4	80·0	79·2	79·2	78·9	78·5	78·0	77·7	77·6	76·6
	12	82·4	81·7	80·8	80·0	79·6	79·5	79·5	79·5	79·2	78·9	78·6	78·2
	13	82·0	80·9	79·5	78·8	78·6	78·0	78·0	78·0	77·8	77·4	76·9	76·5
	14												
	15	81·3	80·7	78·8	78·0	77·5	77·7	77·0	76·0	75·6	75·4	75·6	75·4
	16	82·6	81·4	80·2	79·4	78·7	78·3	78·0	78·0	78·2	77·3	76·3	77·3
	17	82·4	81·4	79·7	78·4	78·0	77·2	76·8	75·8	76·2	76·1	75·9	75·5
	18	80·8	79·9	78·0	77·1	76·6	76·2	75·9	75·5	75·3	75·4	75·4	75·4
	19	81·4	80·4	79·3	78·3	78·0	77·7	77·5	77·4	77·4	77·4	76·9	76·9
	20	*85·4	84·0	80·0	77·5	76·4	75·7	75·0	74·4	73·6	73·2	72·5	72·2
	21												
	22	84·4	83·3	80·2	78·5	78·0	78·0	77·7	77·4	76·7	75·4	74·2	75·3
	23	88·7	87·7	83·7	81·6	81·2	81·3	79·4	77·8	77·0	76·5	76·1	76·4
	24	89·5	87·5	84·0	82·0	80·7	80·4	79·9	79·5	79·1	78·4	77·4	76·9
	25	88·5	87·5	83·5	82·0	81·1	80·5	79·9	79·4	79·0	78·5	77·9	78·4
	26	89·9	88·4	84·0	82·0	81·0	80·5	79·9	79·5	79·5	78·4	77·6	77·4
	27	88·8	87·1	83·0	81·0	80·0	79·5	78·7	78·6	78·1	77·7	77·4	76·7
	28												
	29	85·5	81·6	79·6	77·8	77·2	77·3	77·2	77·0	77·5	77·5	77·3	76·8
	30	86·0	84·8	81·5	79·1	77·6	77·0	76·9	76·5	75·5	74·9	75·4	75·4
	31	88·9	87·1	82·8	80·2	79·2	78·5	78·0	77·5	77·4	77·2	77·1	77·1

* The Thermometer remained in the Observatory until 19d. 17h. when it was removed outside and fixed to the centre door on the North side of the Observatory.

STANDARD THERMOMETER.

Date. Göttingen Mean Time.		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
FEBRUARY, 1846.	1	75°·2	75°·0	74°·6	73°·7	74°·6	76°·3	78°·0	79°·1	78°·9	79°·9	80°·2	80°·4
	2	73·5	73·5	72·9	72·5	73·5	75·0	76·1	77·5	77·8	78·2	79·0	79 5
	3	72·7	73·3	73·3	72·6	72·8	75·1	77 0	78·4	79·1	79·6	80·4	80·8
	4	73·2	73·7	73·6	72·8	74·4	76·6	77·9	79.3	80·8	80·7	81·5	81·8
	5	74·7	73·5	73·5	74·1	75·3	77·5	79·4	81·3	83·5	83·5	84·2	84·5
	6	75·5	74·5	74·7	75·2	76·5	78·4	80·1	81·1	82·5	87·5	84·2	83·6
	7												
	8	75·0	75·1	75·4	75·3	75·6	76·6	78·7	79·9	80·5	81·0	81·3	81·3
	9	74·8	75·0	74·5	74·5	76·0	78·1	79·4	80·4	80·0	80·4	80·6	80·7
	10	75·8	75·7	75·7	76·0	76·2	78·5	79 0	79·5	79·9	80·2	80·5	80·2
	11	75·5	75·0	74·5	74·7	75.9	77·5	78·8	79·3	78·9	78·8	78·9	79·0
	12	72·0	71·7	71·7	71·5	72·8	74·1	75·5	77·0	77·8	78·0	78·5	79·0
	13	72·7	72·3	71·5	72·0	73·5	75·4	76·6	77·6	78·1	79·7	79·1	79·4
	14												
	15	74·2	74·4	73·4	73·3	73·7	76·0	77·8	79·9	81·8	83·5	85·2	85·2
	16	77·0	76·6	76.5	76·5	77·7	81·4	83·4	85·0	87·9	86·8	86·8	87·5
	17	76·9	76·4	76·3	77·0	77·9	79·6	81·4	83·1	84·7	85·8	85·3	84·7
	18	77·2	77·0	75·7	75·4	77·5	79·5	80·5	82·1	83·6	83·7	84·5	84·7
	19	77·5	76·9	76·0	76·0	76·0	79·1	80·3	81·8	82·5	82·9	83·4	82·2
	20	74·8	74·8	74·7	75·0	76·3	77·7	79·8	80·4	80·9	80·8	81·2	81·4
	21												
	22	73·2	73·2	73·6	73·4	75·2	77·1	78·9	78·5	79·1	79·5	80·0	80·2
	23	75·5	75·1	75·0	75·5	76·7	78·4	79·7	80·1	80·1	80·8	81·2	81·2
	24	76·0	75·6	75·0	76·0	77·0	79·5	80·8	81·0	80·5	81·0	81·2	81·2
	25	74·9	74·6	74·0	75·0	76·0	77·8	79·2	79·9	79·7	80·6	81·0	80·8
	26	74·5	74·0	73·9	74·5	76·0	78·2	79·7	80·4	80·8	80·3	80·7	80·7
	27	74·6	74·3	73·7	74·7	76·0	77·0	79·2	80·3	79·8	80·2	80·8	81·5
	28	76·4	75·7	75·4	75·5	76·5	78·0	79·5	80·6	80·6	80·7	81·4	81·8
	29												
	30												
	31												

STANDARD THERMOMETER.

Date. Göttingen Mean Time.		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
MARCH, 1846.	1												
	2	76°·5	76°·0	75°·8	75°·6	78°·8	79°·6	80°·6	80°·8	81°·4	82°·3	82°·9	83°·3
	3	77·9	77·7	77·5	77 4	78·2	79·7	80·5	80·8	81·3	81·8	82·1	82·3
	4	76·4	75·2	76·2	76·3	77·6	78·3	80·5	81·3	81·3	82·0	82·5	82·4
	5	76·4	76·0	75·0	75·6	77·2	78·8	80·0	80·8	81·7	82·3	82·7	82·4
	6	77·4	76·8	75·7	75·7	76·7	78·0	80·1	81·3	82·7	83·8	83·9	84·1
	7												
	8	75·2	74·8	75·7	76·6	77·8	79·6	80·7	81·6	82·5	82·6	82·9	83·0
	9	75·1	75·2	74·0	74·9	76·7	79·0	80·0	81·0	82·5	83·3	83·4	83·3
	10	76·3	76·2	76·0	76·4	77·7	80·1	81·4	82·2	82·7	83·3	83·3	82·9
	11	76·0	75·2	75·1	76·0	78·7	79·4	81·0	81·3	82·4	82·8	83·0	83·3
	12	77·4	75·8	75 4	76·2	77·5	79·5	80·7	81 0	82·0	82·4	82·6	82·5
	13	76·3	76·1	76·0	76·3	77·7	78·7	80·0	80·2	80·2	80·7	81·0	90·9
	14												
	15	75·0	75·0	73·8	73·2	75·0	77·0	80·0	83·2	83·6	84·5	84·0	83·3
	16	76·9	76 6	74·8	75·3	77·3	78·8	80·1	81·0	82·0	82·0	82·2	82·5
	17	74·9	74·2	74·0	74·8	76·2	77·5	78·5	79·2	79·5	80·5	80·8	81·3
	18	75·4	75·5	75·5	75·6	76·3	77·7	79·8	79·2	79·8	80·5	81·0	81·6
	19	76·8	76·2	75 8	76·0	77·4	*79·5	83·2	84·0	84·4	85·0	85·1	85·3
	20	71·7	71·1	71·0	74·2	77·0	80·7	82·5	83·0	83·6	84·3	84·8	85·1
	21												
	22	74·5	75·1	72·8	74·2	77·8	81·3	83·6	86 2	87·4	87·7	88·0	88·3
	23	74·9	73·5	74·3	76·6	81·6	84·7	88·0	90·0	91·2	90·2	90·1	89·7
	24	76·3	77·1	76·3	78·8	81·7	84·0	85·7	88·4	88·6	89·1	89·6	89·4
	25	77·3	77·0	78·0	79·6	82·6	84·7	87·2	89·0	89·5	90·0	89·4	90·1
	26	77·2	76·5	76·0	79·3	82·8	85·5	87·5	89·0	89·5	89·9	90·0	89·9
	27	75·8	74·4	74·4	77·5	81·5	83·4	84·8	85·4	86·1	86·7	87·2	86·5
	28												
	29	76·3	76·0	74·1	76·1	79·3	82·0	84·0	85·9	86·1	85·9	85·7	85·9
	30	75·7	74·8	73·9	76·9	80·8	83·4	84·5	86·1	86·5	87·3	88·4	88·7
	31	76·9	76·2	75·8	78·7	81·0	83·5	84·4	85·5	87·1	87·6	88·1	88·4

* Thermometer removed outside and fixed to the central door on the North side of the Observatory at 19d. 17h.

STANDARD THERMOMETER.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
APRIL, 1846.	1	89°·0	87°·4	82°·8	79°·7	78°·5	77°·7	77°·0	76°·6	75°·1	75°·9	75°·5	75°·3
	2	87·5	85·5	81·8	79·3	78·2	77·8	77·3	76·6	76·2	76·2	76·0	75·3
	3	88·8	87·3	83·5	80·4	79·1	78·0	77·1	76·7	76·8	76·5	75·9	75·6
	4												
	5	86·0	86·5	83·0	81·0	80·3	79·9	79·5	78·9	78·6	78·1	77·8	76·6
	6	88·9	86·8	82·8	80·4	79·6	79·0	78·4	78·1	78·0	77·5	77·2	76·0
	7	87·9	86·2	83·0	80·6	79·6	79·3	79·1	79·0	78·5	78·0	77·7	77·6
	8	90·1	87·2	84·1	81·0	80·0	79·1	78·6	78·5	77·8	77·5	77·4	76·6
	9	89·7	87·8	84·3	81·7	80·8	80·2	79·4	79·0	78·6	78·4	78·1	77·8
	10	89·5	87·2	83·0	80·7	79·9	79·5	79·3	78·7	78·5	78·0	77·5	76·8
	11												
	12	87·0	85·7	82·7	80·5	79·9	79·9	79·5	79·5	79·5	79 6	79 5	78·6
	13	88·8	87·8	84·3	82·7	82·0	81·2	80·9	80·3	80·1	79·9	79·2	78·7
	14	87·9	86·6	83·7	81·7	80·8	80·3	80·1	79·8	79·4	79·1	78·7	78·4
	15	87·7	87·0	84.0	81·0	80·7	79·9	79·5	79·5	79·0	79·0	78·5	77·4
	16	92·4	90·7	85·8	82·5	81·3	80·6	80·0	80·0	79·7	79·5	79·1	78·6
	17	91·8	90·3	85·8	82·6	81·2	80·4	79·4	79·0	79·0	78·8	78·6	78·1
	18												
	19	88 3	87·8	84·7	81·8	81·0	80·5	80·2	79·6	79·5	79·3	79·0	79·1
	20	89·9	87·7	84·2	81·6	80·8	80·0	79·4	79·2	78 6	78·6	77·7	76·7
	21	89·8	87·9	84·3	82·2	81·5	80·7	80·0	79·6	78·7	78·4	78·0	76·6
	22	93·0	91·2	87·5	85·0	84·6	84·4	83·6	82·2	81·3	79·9	81·0	79·7
	23	95·0	91·2	88·1	85·6	84·4	84·4	84·0	83 3	83·0	82·4	82·5	81·5
	24	96·7	93·9	89·9	87·3	86·0	84·9	84·8	84·7	83·9	83·1	82·5	81·9
	25												
	26	91·8	92·7	90·2	86·0	84·3	84·0	84·0	83·1	82·3	82 2	81·5	81·4
	27	94·4	91·4	88·0	85·0	84·0	83·0	81·9	81·6	81·6	81·3	80·7	79·9
	28	92·4	89·4	87·0	85·5	84·8	84·2	83·0	81·6	81·5	81·1	82·1	81·1
	29	92·0	90·2	86·7	84·0	83·0	82·3	81·5	80·7	79·9	79·3	78·9	78·3
	30	94·0	90·9	87·5	84·8	83·8	83·0	82·7	82·3	81·5	80·7	80·0	80·0
	31												

STANDARD AND AIR THERMOMETER.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10	11h
MAY, 1846.	1	93°·1	90°·5	87°·5	84°·8	84°·0	83°·4	83°·0	82°·3	81°·8	81°·0	80°·1	79°·6
	2												
	3	94·8	93·7	90·2	86·3	84·8	84·0	83·3	82·5	81·6	81·0	80·6	80·3
	4	96·5	93·8	89·8	86·1	85·2	84·5	83·6	83·2	82·5	82·4	82·0	81·8
	5	94·1	92·0	88·4	85·4	84·4	83·5	83·0	82·5	82·0	81·9	81·8	81·4
	6	96·6	94·3	90·3	86·6	85·2	84·6	84·0	83·3	82·8	82·5	82·3	81·7
	7	91·9	90·0	86·5	84·2	83·7	83·3	83·0	82·6	82·5	81·9	81·5	81·1
	8	93·9	91·2	87·2	84·6	83·8	83·1	82·6	82·2	81·5	81·0	80·4	79·5
	9												
	10	93·7	91 3	87·5	84·7	84·1	84·0	83·5	83·0	82·6	82·6	82·0	82·0
	11	92·1	90·5	87·8*	—	—	—	—	—	—	—	—	—
	12	87·5	86·4	84·6	83·3	83·6	84·0	84·9	84·8	84·2	83·5	83·1	82·3
	13	89·6	88·3	86·3	85·0	84·8	84·5	84·0	83·6	83·5	83·0	83·2	82·8
	14	88·8	87·7	86·2	85·8	86·5	85·0	84·0	83·8	83·5	83·1	83·1	82·8
	15	85·6	85·7	83·7	83·4	83·0	82·5	82·6	82·0	81·0	80·0	79·5	79·4
	16												
	17	89·7	87·2	85·7	84·7	84·6	84·2	83·1	83·0	82·6	82·4	82·8	82·5
	18	87·8	88·0	85·7	84·7	84·5	83·7	83·8	83·5	83·0	82·5	82·7	82·5
	19	88·3	87·8	85·7	85·3	84·8	84·4	84·0	83·6	83·8	82·8	82·6	82·5
	20	89·3	86·5	85·2	84·3	84·0	83·9	83·5	83·5	83·0	83·0	82·6	82·5
	21	87·7	87·7	85·6	84·5	84·2	84·0	83·8	83·5	83·4	82·9	82·8	82·6
	22	89·0	87·6	85·9	85·4	84·8	84·5	84·2	84·2	84·0	83·5	83·0	82·9
	23												
	24	89·2	87·2	85 3	84·8	84·8	84·5	84·1	84·0	84·0	83·7	83·4	83·2
	25	90·4	88·2	85·8	84·7	84·3	84·0	84·0	84·0	84·0	83·7	83·5	83·2
	26	90·3	88·2	86·6	85·2	84·9	84·6	84·8	84·5	84·4	84·3	84·0	83·9
	27	90·9	88·0	86·8	85·3	85·0	84·5	85·0	84·7	84·5	84·2	84·2	84·1
	28	90·3	89·8	86·7	85·7	84·7	84·5	84·0	84·0	84·0	84·1	83·9	83·5
	29	90·6	89·2	86·5	85·4	85·1	84·5	84·0	84·0	83·6	83·5	83·3	82·9
	30	90·0	87·7	86·4	85·3	84·9	85·0	84·8	84·5	84·0	83·5	82·8	82·2
	31												

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* Observations of the Standard Thermometer were discontinued from this time. Temperature of Air was afterwards observed with the AIR Thermometer. The Observations begin at Noon on the 12th G. M. T.

STANDARD THERMOMETER.

Date. Göttingen Mean Time.		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
APRIL, 1846.	1	75°·0	74°·4	74°·2	77°·6	81°·5	84°·4	84°·5	86°·3	86°·2	86°·8	87°·3	87°·6
	2	74·9	74·8	74·7	78.9	82·3	84·9	89·0	89·0	89·8	90·1	90·7	88·9
	3	75·1	74·3	74·2	77·6	83·0	88·4	90·0	88·5	88·7	88·4	88·1	88·6
	4												
	5	75·9	75·6	75·6	79·0	82·4	84·8	86·5	88·2	89·7	89·4	89·1	88·9
	6	75·5	75·0	74·7	78·6	81·8	84·0	86·5	86·6	87·0	87·9	87·9	87·9
	7	76·9	76·6	76·5	81·3	83·5	86·5	88·5	89·0	90·0	89·9	90·2	90·2
	8	76·1	76·0	75·8	80·3	83·2	85·9	86·6	88·0	89·1	90·1	90·5	90·0
	9	77·1	76·0	76·1	81·2	84·5	88·0	88·7	89·0	88·8	90·3	91·5	89·3
	10	76·2	75·8	75·9	81·1	84·0	85·9	87·2	87·3	87·7	88·0	88·1	87·2
	11												
	12	77·6	76·8	76·8	82·0	84·0	86·0	87·5	88·6	88·8	88·9	88·0	88·1
	13	78·5	78·6	78·2	80·2	85·8	88·8	90·0	90·2	91·0	90·0	89·5	89·1
	14	78·1	77·0	76·8	83·6	85·6	87·0	88·4	88·7	88·5	88·9	88·9	88·9
	15	76·6	75·9	76·1	83·0	84·4	88·0	90·6	91·5	91·9	91·9	92·3	92·3
	16	78·1	77·6	77·6	80·7	85·3	85·5	88·7	90·5	91·7	92·4	92·2	91·9
	17	77·5	76·8	77·5	81·0	85·1	86·5	87·7	88·6	89.0	88·9	89·9	89·6
	18												
	19	79·1	79·0	78·4	81·8	85·8	88·8	91·5	92·2	90·6	90·8	90·0	90·1
	20	75·8	75·5	75·8	79·2	83·5	87·3	89·8	91·9	91·5	91·3	90·6	89·8
	21	76·1	75·7	75·5	79·0	83·3	87·0	89·1	89·7	90·6	89·9	91·2	91·7
	22	79·1	78·0	78·9	82·8	87·0	90·7	93·9	94·7	95·0	96·1	96·5	96·1
	23	81·2	81·6	81·7	85·4	90·4	93·7	96·6	94·5	93·1	96·0	98·3	98·8
	24	81·8	80·5	80·2	84·3	89·2	91·5	91·5	92·5	92·3	93·6	93·9	93·6
	25												
	26	80·8	82·0	81·5	85·2	89·2	93·1	93·7	95·0	96·4	95·4	95·6	95·7
	27	79·3	78·4	79·0	83·0	87·2	91·9	94·6	94·5	94·5	94·9	94·8	93·6
	28	79·4	78·6	79·0	83·0	86·8	88·7	89·5	91·0	91·8	93·1	93·2	92·9
	29	77·7	77·0	77·0	81·8	86·3	90·5	92·6	94·0	94·6	95·0	95·7	95·4
	30	79·5	79·0	79·3	84·0	88·0	92·6	94·0	95·0	95·0	95·4	95·1	94·8
	31												

STANDARD AND AIR THERMOMETER.

Date. Göttingen Mean Time.		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
MAY, 1846	1	79°·9	80°·0	80°·5	85°·0	89°·3	92°·5	95°·0	96°·0	96°·5	95°·8	96°·6	96°·8
	2												
	3	79·9	79·7	80·2	84·4	88·7	93·0	94·3	95·3	95·5	96·1	96·3	96·6
	4	81·6	80·5	80·8	84·8	90·1	98·2	95·7	96·2	94·6	94·9	96·6	95·6
	5	81·4	80·2	80·8	84·4	89·0	94·8	95·5	95·7	96·3	96·5	95·7	96·3
	6	81·4	80·7	81·2	84·5	88·7	90·7	93·6	92·7	93·5	92·5	93·2	92·4
	7	80·1	79·6	80·4	85·3	89·5	93·1	95·6	96·6	95·5	96·1	95·5	94·9
	8	79·0	79·0	81·7	84·7	91·5	98·3	96·4	96·0	96·4	95·9	95·7	95·5
	9												
	10	81·4	80·5	80·7	84·7	90·3	96·3	94·7	94·7	94·3	93.8	94·0	93·1
	11												
	12	82·4	82·5	82·8	86·7	85·8	86·5	88·5	90·2	89·3	89·9	89·2	90·3
	13	82·5	82·7	82·8	83·3	85·1	87·5	93.6	96·4	89·8	89·3	88·6	89·8
	14	82·4	81·7	82·8	84·3	85·2	85·8	86·8	88·7	89·5	88·3	85·8	88·3
	15	78·8	78·0	79·8	84·1	84·7	87·0	90·0	89·8	89·5	90·4	89·5	89·1
	16												
	17	82·0	82·0	82·7	84·8	86·4	87·6	89·3	89·2	91·1	88·5	91·2	88·5
	18	82·5	82·7	83·3	85·0	86·2	88·8	91·5	90·4	90·8	90·3	92·1	89·7
	19	82·8	83·2	83·5	85·2	86·8	88·0	90·8	91·5	91·0	88·8	89·5	88·7
	20	82·5	82·6	83.0	86·7	88·8	89·0	90·0	91·6	91·8	90·5	89·8	89·4
	21	82·0	82·4	83·2	87·0	86·2	90·3	92·2	90·4	90·5	92·1	91·0	90·2
	22	82·6	81·8	83·2	85·2	86·5	87·4	88·5	91·2	90·8	91·4	91·9	89·7
	23												
	24	83·2	83·8	83·8	86·5	87·9	89·0	91·0	91·0	91·6	92·5	92·0	89·9
	25	83·3	83·2	83·7	86·2	87·7	89·8	89·2	92·0	92·2	92·5	91·5	91·5
	26	83·6	83·6	84·3	86·2	89·3	90·0	89·8	89·5	92·5	92·3	92·2	91·5
	27	83·8	83·7	84·3	86·2	88·2	90·8	91·5	92·6	92·8	92·7	92·0	92·0
	28	83·5	83·3	83·9	86·1	88·5	88·6	90·5	91·8	91·6	91·9	91·4	91·5
	29	82·7	82·7	83·1	85·1	87·0	90·0	90·5	90·3	90·4	90·6	90.2	90·9
	30	82·0	82·4	83·7	87·3	90·8	89·0	92·5	90·8	92·6	93·0	93·2	92·0
	31												

Date. Göttingen Mean Time.		AIR THERMOMETER.											
		Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
JUNE, 1846.	1	93°·0	90°·5	88°·8	86°·8	86°·2	85°·0	85°·2	85°·0	85°·0	84°·8	84°·4	84°·3
	2	87·9	87·6	85·3	84·2	83·5	83·0	82·8	82·5	83·2	81·6	80·2	79·4
	3	89·6	88·2	86·2	85·2	85·1	84·5	83·2	81·0	82·4	82·1	81·7	81·4
	4	89·4	88·7	86·6	85·7	85·7	85·5	85·1	85·0	84·6	84·5	84·0	84·0
	5	89·9	88·8	86·7	86·2	85°·8	85·8	85·4	85·2	84·8	84·5	84·4	83·9
	6												
	7	89·5	89·4	88·2	86·8	86·7	86·4	86·0	85·8	85·8	85·5	85·0	84·8
	8	88·8	87·4	85·8	84·8	84.7	84·5	84·4	84·2	84·0	83·9	83·6	83·4
	9	86·0	86·2	86·0	85·7	78·3	78·5	77·8	77·4	79·5	80·1	80·8	80·4
	10	85·3	84·6	83·7	82·7	81·0	80·4	77·2	78·6	80·0	79·7	80·2	80·3
	11	79·9	78·8	79·8	80·3	80·5	80·5	80·8	80·8	80·5	79·9	79·8	79·8
	12	79·8	79·8	77·8	77·3	78·0	80·0	81·5	82·0	82·0	82·5	81·0	82·0
	13												
	14	85·8	85·2	84·3	83·7	78·0	79·0	80·5	81·5	81·5	81·3	81·1	80·9
	15	87·9	86·1	84·7	85·1	84·1	82·5	82·8	82·8	82·7	82·3	82·4	82·5
	16	80·0	82·2	82·7	82·5	82·8	83·0	82·5	81·8	82·3	81·5	82·0	82·0
	17	80·4	81·3	75·2	77·7	77·4	86·5	75·8	78·5	77·8	79·0	80·0	80·5
	18	80·4	80·7	80·3	74·5	73·2	73·8	74·2	75·1	76·0	75·8	76·2	76·4
	19	84·5	84·8	83·4	82·9	82·6	82·5	83·0	82·5	82·4	82·0	82·3	81·9
	20												
	21	83·2	80·9	81·7	80·5	76·0	79·0	80·5	80·7	82·4	82·6	82·6	82·1
	22	86·4	86·1	84·2	83·3	83·2	83·2	80·8	82·5	83·5	82·6	82·5	81·8
	23	85·0	82·7	83·9	83·0	80·1	80·5	81·5	81·8	82·0	79·6	81·5	78·1
	24	82·0	82·3	82·3	82·2	82·2	81·8	82·8	83·0	82·9	82·5	82·5	80·8
	25	81·6	80·9	78·9	79·7	78·3	77·8	77·2	77·8	78·5	78·5	77·6	77·6
	26	80·5	81·1	81·7	81·2	81·2	80·8	81·3	81·5	79·2	80·1	79·5	79·5
	27												
	28	86·3	83·3	82·2	81·7	79·9	80·6	81·5	82·3	82·0	82·0	81·6	81·8
	29	86·0	83·9	80·2	77·2	77·6	76·2	78·0	80·8	81·0	79·8	81·5	81·6
	30	83·2	82·7	83·0	80.5	77·5	79·6	79·0	81·5	81·0	81·7	81·5	81·7
	31												

Date. Göttingen Mean Time.		AIR THERMOMETER.											
		Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
JULY, 1846.	1	83°·0	83°·0	82°·0	80°·7	81°·2	81°·4	81°·4	81°·4	80°·2	81°·4	81°·2	81°·5
	2	81·4	89·9	81·6	81·1	81·6	81·2	81·4	80·5	79·6	81·0	80·5	81·0
	3	83·4	82·4	81·8	81·8	81·8	81·5	81·5	81·2	81·2	80·2	80·9	81·0
	4												
	5	85·3	84·8	83·4	82·3	81·6	81·0	81·0	81·5	80·8	80·5	80·3	80·3
	6	87·1	84·4	83·4	82·1	82·0	82·0	81·5	81·8	81·5	81·1	81·0	80·6
	7	85·0	82·7	82·7	82·5	82·5	82·0	81·8	81·6	81·5	81·3	81·2	80·7
	8	85·5	84·1	83·1	82·7	81·9	81·9	81·8	81·8	81·4	81·1	80·7	80·7
	9	88·5	86·7	83·8	82·9	82·4	81·8	81·8	81·9	81·3	81·3	80·9	80·7
	10	86·8	85·2	84·0	83·2	82·6	82·5	82·0	81·7	81·8	82·0	81·9	81·4
	11												
	12	85·7	85·0	84·4	84·1	84·0	83·5	83·3	83·6	83·3	83·3	82·7	82·2
	13	83·7	82·9	82·9	82·5	81·7	80·8	79·5	80·0	80·0	80·0	80·0	75·6
	14	84·4	82·7	82·2	81·8	81·7	81·5	81·5	81·4	81·3	81·0	79·8	79·4
	15	81·2	80·7	80·8	79·2	77·7	77·0	76·8	77·5	77·4	77·0	77·0	77·4
	16	74·7	79·3	80·1	73·9	75·3	76·9	76·8	77·5	77·8	77·5	77·5	73·3
	17	75·9	77·0	76·3	78·2	77·8	77·0	77·6	74·5	77·0	79·9	80·0	79·7
	18												
	19	78·1	77·7	79·2	77·3	77·4	76·2	78·2	78·0	75·5	75·8	74·4	75·0
	20	78·1	79·7	76·1	76·1	77·5	78·8	78·0	75·4	77·2	75·8	76·1	77·5
	21	80·1	78·7	76·7	77·6	75·2	76·7	78·0	78·2	79·3	76·7	78·7	79·0
	22	81·1	78·1	78·3	79·3	78·6	79·4	78·8	78·2	78·9	78·7	79·4	75·7
	23	76·9	79·8	78·2	77·5	78·1	79·2	79·6	79·6	79·2	78·6	79·5	78·8
	24	76·0	75·6	76·7	76·1	76·0	76·5	76·5	76·0	78·0	78·1	78·3	78·5
	25												
	26	79·7	78·3	77·2	75·8	78·1	79·2	79·5	79·8	80·2	77·1	79·4	77·9
	27	80·0	78·4	79·2	79·1	79·3	78·2	78·2	79·8	79·8	79·9	79·5	78·8
	28	81·5	80·5	78·7	77·2	78·3	79·2	77·0	76·7	79·8	79·4	76·2	78·0
	29	77·2	79·8	79·8	79·8	79·8	78·7	79·3	79·5	80·0	79·5	79·8	79·5
	30	79·6	79·4	79·7	79·5	79·3	78·0	79·2	78·8	79·5	79·0	78·8	78·8
	31	83·0	80·0	79·4	79·8	79·6	79·5	78·8	79·0	79·3	79·5	76·6	78·9

Date. Göttingen Mean Time.		AIR THERMOMETER.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
JUNE, 1846.	1	83°·4	81°·0	82°·4	80°·4	84°·0	83°·2	88°·0	89°·0	89°·0	89°·5	91°·5	90°·7
	2	80·5	80·7	81·2	83·3	85·7	87·5	89·2	89·8	90·2	91·0	89·9	89·7
	3	81·0	81·5	82·5	83·8	87·1	88·5	88·0	89·7	89·8	89·3	90·5	89·5
	4	83·7	83·8	84·4	85·2	85·8	87·8	88·5	89·6	91·0	89·8	90·8	90·1
	5	83·9	83·5	84·7	86·7	87·7	88·0	89·0	89·7	90·2	89·8	91·5	91·5
	6												
	7	84·9	84·8	85·8	86·8	80·3	81·0	84·0	85·0	87·2	86·4	87·4	88·5
	8	83·3	82·9	83·4	85·2	87·7	88·8	91·5	91·7	91·5	91·1	89·0	87·1
	9	79·1	79·8	80·1	80·7	83·2	83·5	86·0	86·8	88·5	89·2	89·0	86·8
	10	80·2	79·7	80·3	80·8	82·7	80·4	84·5	85·9	84·0	79·5	79·8	79·4
	11	78·4	79·5	79·5	81·0	78·8	80·0	81·5	81·0	81·5	81·4	81·9	81·4
	12	82·4	82·5	82·5	82·7	82·9	80·5	79·5	78·6	79·5	80·5	81·4	81·9
	13												
	14	80·7	81·5	81·9	83·5	85·8	87·5	88·5	88·8	87·5	89·4	88·9	88·2
	15	82·7	82·7	82·4	84·3	85·0	88·0	85·6	88·5	87·2	88·0	86·7	82·9
	16	81·5	79·6	81·2	81·2	81·4	80·4	79·7	79·5	80·8	78·4	79·0	79·7
	17	80·4	74·4	74·0	72·3	74·5	74·3	76·0	76·3	78·0	78·7	80·6	81·0
	18	76·6	77·2	77·7	78·4	79·4	81·2	82·2	81·5	80·9	80·8	80·0	81·6
	19	81·7	82·2	82·4	83·3	85·1	86·8	87·5	88·2	88·8	89·5	89·4	87·8
	20												
	21	82·0	81·8	82·7	83·7	84·8	85·6	86·5	87·6	87·8	88·2	88.5	88·0
	22	81·3	81·7	81.9	83·2	83·2	86·3	87·2	88·3	88·6	89·6	89·2	87·9
	23	77·3	77·5	79·0	78·8	78·3	78·5	79·6	81·0	81·0	82·8	84·3	83·1
	24	82·3	82·1	82·1	81·0	84·2	84·2	78·7	81·8	85·0	86·3	86·9	85·4
	25	78·2	78·9	78·8	77·4	77·8	77·5	76·2	78·0	79·2	80·4	79·8	81·5
	26	77·7	77·7	80·8	78·7	77·8	78·8	78·3	79·7	81·5	82·0	81·8	81·2
	27												
	28	80·9	80·9	81·3	81·7	83·3	82·7	82·6	84·8	83·5	78·2	86·2	84·0
	29	80·7	81·3	80·5	82·0	83·2	83·5	83·5	84·6	86·6	87·2	87·0	85·6
	30	81·6	81·7	81·8	81·0	81·8	83·0	84·0	84·8	84·9	81·0	84·0	80·7
	31												

Date. Göttingen Mean Time.		AIR THERMOMETER.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
JULY, 1846.	1	81°·5	81°·4	81°·3	81°·7	81°·8	82°·4	82°·5	82°·5	78°·8	78°·6	81°·3	81°·8
	2	81·0	80·8	81·2	81·2	75·6	78·5	77·0	81·0	84·0	80·9	81·4	82·3
	3	80·9	80·8	81·2	81.9	84·0	85·5	85·8	86·5	82·6	86·7	87·2	84·9
	4												
	5	79·7	79·7	79·8	82·2	84·0	85·5	86·6	88·0	87·2	85·6	88·0	87·9
	6	80·5	80·7	81·2	82·5	81·3	82·0	84·5	86·8	87·5	88·0	87·4	86·1
	7	80·5	79·5	80·2	81·7	83·3	83·5	83·9	86·8	88·0	88·0	88·2	86·5
	8	80·5	80·4	80·7	82·7	83·4	87·0	88·2	88·2	88·0	89·4	86·6	87·2
	9	80·5	80·2	80·3	81·5	84·2	86·8	83·2	88·3	89·1	89·4	87·8	89·0
	10	81·2	81·1	80·7	83·7	85·9	87·0	87·0	88·8	89·3	89·8	88·5	87·7
	11												
	12	82·0	81·8	80·2	79·6	81·8	79·5	81·2	85·7	86·6	85·7	83·7	85·0
	13	75·6	77·5	77·9	78·5	80·0	79·0	81·5	83·5	80·5	80·4	82·2	83·1
	14	79·0	78·7	79·2	80·7	81·8	84·4	83·2	81·0	82·8	81·3	81·5	83·0
	15	78·4	76·9	78·2	78·2	78·4	79·9	82·3	82·1	83·9	85·0	82·2	76·0
	16	76·3	77·3	77·5	77·9	79.7	75·5	79·7	77·8	77·4	78·6	74·6	75·6
	17	79·8	79·4	78·2	79·4	77·2	77·5	79·0	80·8	82·0	82·7	77·4	77·0
	18												
	19	77·2	78·0	78·2	76·6	77·3	76·9	80·0	80·0	80·7	80·4	76·1	74·5
	20	75·1	74·6	77·1	77·9	76·7	75·5	77·0	78·2	77·2	74·4	78·1	78·0
	21	78·1	79·7	75·2	77·7	79·2	78·7	79·9	77·0	80·5	79·4	78·5	80·7
	22	76·7	78·2	78·6	77·6	81·2	82·5	81·8	84·4	81·2	83·5	84·4	83·4
	23	79·5	79·7	79·2	78·9	79·6	80·5	81·5	78·6	76·0	77·5	76·1	74·8
	24	78·7	78·2	78·8	79·7	77·8	77·0	77·5	77·2	75·8	75·6	76·9	77·8
	25												
	26	79·6	78·7	77·0	79·7	80·4	78·8	80·8	82·6	82·9	82·8	81·7	80·7
	27	79·5	79·8	79·8	80·2	80·2	81·2	81·2	83·8	83·2	82·0	80·6	80·4
	28	79·5	79·6	79·3	79·7	75·5	80·2	76·0	79·0	80·3	79·2	81·2	80·5
	29	79·5	79·3	79·7	78·7	79·8	80·3	80·5	75·8	78·5	81·4	77·3	79·9
	30	79·2	78·2	79·0	79·8	81·3	79·5	80·3	82·8	82·6	81·9	81·0	81·9
	31	79·0	75·0	78·2	78·6	79·7	80·4	76·6	78·8	81·5	77·6	82·0	75·6

Date. Göttingen Mean Time.		AIR THERMOMETER.											
		Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
AUGUST, 1846.	1												
	2	83°·0	83°·3	81°·1	80°·3	80°·1	79°·6	79°·2	79°·0	78°·2	78°·6	77°·9	78°·3
	3	81·8	82·3	78·1	79·9	79·7	79·8	79·6	79·0	79·0	79·3	79·1	78·4
	4	83·3	83·2	80·1	79·4	79·8	79·6	79·8	79·5	79·0	79·1	79·1	79·4
	9	83·4	81·7	80·7	80·2	78·2	79·2	79·6	76·8	78·5	78·6	78·5	79 4
	6	83·9	83·0	81·3	80·0	80·0	80·2	78·9	79·5	79·6	79·3	79·2	79·3
	7	82·5	81·8	81·4	80·0	80·6	80·5	80·3	79·6	79·5	79·0	79·2	79·7
	8												
	9	82·4	81·7	80·5	79·9	79·9	79·0	80·2	79·4	79·9	78·5	78·7	79·2
	10	82·4	81·8	81·0	80·1	80·1	80·0	79·8	79·8	79·5	79·8	79·9	79·9
	11	84·2	82·8	81·2	80·7	80·3	80·5	80·2	80·3	80·1	80·0	80·0	79·9
	12	79·2	76·9	77·2	79·5	79·7	79·1	80·1	79·5	79·8	80·0	79·7	79·8
	13	82·0	78·2	79·8	80·1	80·3	80·3	80·3	80·2	80·2	80·0	79·8	79·9
	14	82·1	80·1	80·7	78·8	79·7	79·6	79·6	78·6	78·9	79·0	79·3	79·3
	15												
	16	79·8	79·7	77·0	78·0	77·3	77·0	77·5	79·3	79·2	79·1	79·3	79·0
	17	81·0	81·3	80·0	79·4	79·7	79·0	79·0	78·4	75·5	76·7	78·0	78·1
	18	82·0	80·2	80·8	80·0	77·6	78·8	79·8	79·0	77·0	79·1	78·2	79·3
	19	81·0	81·4	78·8	80·3	80·1	80·6	80·2	77·6	79·2	79·5	79·1	80·0
	20	81·2	79·3	78·0	79·4	80·5	80·5	80·5	80·0	79 8	78·9	76·0	78·3
	21	84·3	82·4	81·0	80·8	80·2	80·5	80·3	80 2	80·2	80·0	80·0	80·1
	22												
	23	80·8	79·4	79·5	79·2	79·2	79·5	79·5	79·2	78·7	78·9	78·2	78·0
	21	83·1	81·8	79·7	78·0	77·8	77·6	79·1	78·5	78·5	78·6	78·3	78·3
	25	83·0	82·5	81·0	80·2	79·9	79·5	79·2	79·0	79·0	79·0	78·6	78·7
	26	83·9	82·8	81·1	80·2	80·0	79·2	79·2	79·5	79·0	78·9	78·4	78·6
	27	81·5	81·2	80·5	80·2	80·0	80·8	80·0	80·0	80·8	78·7	79·1	79·2
	28	82·5	77·2	77·7	78·3	79·2	79·5	79·5	79·5	79·2	79·5	78·3	76·8
	29	83·0	79·7	77·7	78·7	79·0	79 8	76·0	78·5	78·8	79·1	79·1	79·0
	20												
	31	83·7	82·4	80·4	80·2	79·3	79·8	79·5	79·5	79·6	79·3	78·0	77·1

Date. Göttingen Mean Time.		AIR THERMOMETER.											
		Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
SEPTEMBER, 1846.	1	82°·4	81°·3	79°·7	79°·0	80°·7	80°·1	75°·2	76°·9	78°·8	78°·9	79°·0	78°·9
	2	83·4	82·4	77·9	80·7	80·8	80·6	80·5	79·6	79·8	79·7	79·3	79·2
	3	83·3	81·5	80·5	80·2	80·4	80·2	79·6	79·6	79·0	79·0	77·5	77·0
	4	84·7	82·6	81·1	80·7	80·4	80·6	80·5	79·8	79·6	79·6	78·9	78·6
	5												
	6	82·2	81·3	78·1	77·0	78·4	78·5	78·5	78·3	78·1	78·2	77·4	77·6
	7	83·3	82·2	80·5	80·2	79·8	79·6	79·5	79·0	78·6	78·0	77·9	78·5
	8	83·6	82·2	81·0	80·8	80·3	80·4	79·5	80·1	79·6	79·6	79·0	77·5
	9	81·2	80·5	79·9	79·6	79·3	79·7	75·5	79·5	73 2	78·5	78·7	78·3
	10	80·8	79·2	77·6	75·9	75·8	77·1	75·5	76·6	77·2	78·3	78·8	79·2
	11	81·1	81·2	80·2	79·8	79·7	80·0	79·5	79·5	79·4	79·5	79·2	79·4
	12												
	13	83·8	82·7	81·2	81·1	80·8	80·8	80·5	80·5	80·0	79·7	79·4	79·4
	14	82·9	81·8	80·0	80·1	80·5	80·2	78·6	78·8	78·2	78·6	79·0	79·3
	15	82·3	80·7	79·5	79·8	79·7	80·1	78·8	75·3	78·2	77·9	75·7	78·8
	16	81·0	80·2	80 2	80·5	78·5	78·7	79·8	77·5	79·3	79 1	79·5	79·7
	17	74·5	76·7	77·1	79·1	79·0	78·8	75·0	76·4	78·0	78·8	79·0	78·9
	18	82·2	81·7	80·4	77·9	79·3	79·7	79·7	79·5	79·8	79 4	78·7	75·2
	19												
	20	76·3	79·0	77·5	78·0	78·4	75·8	73·5	74·6	76·0	76·3	77·2	76·5
	21	77·8	75·5	74·2	74·7	75·1	75·7	76·2	76·5	76·0	76·0	75·6	75·7
	22	81·3	79·9	78·3	78·4	77·2	77·3	77·2	76·8	76·5	76·5	76·9	76·8
	23	82·3	80·7	79·0	78·9	78.7	78·4	77·9	78·7	77·5	77·3	77·8	77·3
	24	81·9	80·6	79·9	79·2	78·4	78·4	78·3	78·4	78·2	78·0	77·9	77·0
	25	82·7	81·8	79·5	78·6	78·3	78·1	77·1	76·3	76·0	76·1	76·9	76·6
	26												
	27	83·3	81·4	79·9	79·7	79·4	78·6	78·2	77·4	78·1	77·4	78·0	77·8
	28	83·5	82·7	81·2	80·7	80·2	80·0	79·8	79·5	78·6	76·8	75·7	75·3
	29	84·0	82·4	81·4	81·2	80·8	80·6	78·8	77·0	77·0	77·3	77·1	76·0
	30	83·7	82·3	80·8	80·5	80·3	79·8	79·8	79·7	79·2	78·6	75·5	75·8
	31												

Date. Göttingen Mean Time.		AIR THERMOMETER.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
AUGUST, 1846.	1												
	2	78°·3	78°·7	78°·0	78°·6	82°·0	81°·2	83°·6	80°·5	85°·8	86°·4	85°·7	84°·4
	3	78·3	79·0	79·0	79·8	81·7	84·2	83·8	85·6	85·8	85·6	86·3	83·5
	4	78·9	79·1	77·4	79·6	80·8	82·9	83·5	80·7	80·5	84·3	84·4	83·3
	5	79·0	79·1	79·2	80·1	80·1	82·0	84·3	85·0	85·6	85 6	85·8	85·1
	6	79·3	79·0	78·9	78·4	79·9	81·6	83·3	83·8	83·2	84·4	84·2	85·4
	7	79·3	79·2	79·3	79·9	81·4	82·3	84·2	85·7	85·6	85·5	85·6	81·7
	8												
	9	79·2	77·2	78·8	80·2	80·3	80·0	81·2	83·8	80·8	84·2	85·4	85·3
	10	79·9	78·9	79·3	80·3	83·0	84·0	81·2	85·0	84·5	85·7	85·0	85·9
	11	79·9	79·9	80·0	78·8	77·0	82·2	83·5	85·3	84·5	84·5	84 0	80·5
	12	75·7	78·9	79·3	79·8	77·2	80·8	83·7	84·0	85·0	84·3	83·3	83·1
	13	79·6	79·7	79·7	80 1	81·1	81·6	82·6	84·5	84·5	86·0	85·0	83·8
	14	78·5	79·7	77·4	78·0	80·3	79·6	81·2	84·5	77·6	79·9	80·8	81·8
	15												
	16	79·0	78·8	79·0	79·4	82·4	81·9	80·8	82·6	82·5	77·2	77·9	80·8
	17	77·5	78·9	78·5	79·3	81·3	80·8	81·0	79·3	81·5	83·0	82·5	82·8
	18	78·5	79·6	79·4	78·0	80·2	80·8	81·0	84·2	83·0	78·4	80·5	80·0
	19	76·7	79·0	79·2	79·4	81·0	82·0	82·1	83·2	80·5	83·9	85·1	83·1
	20	79·0	78·8	78·5	79·6	80·4	82·3	83·2	85·5	80·0	81·9	84·6	83·9
	21	79·8	78·0	79·4	80·2	79·3	81·2	79·5	83·0	84·3	85·6	85·7	85·5
	22												
	23	78·4	78·6	78·5	79·5	77·2	77·8	81·2	84·0	85·4	84·4	84·8	82·4
	24	78·3	77·0	76·8	79·4	79·6	83 5	85·0	85·5	84·0	85·5	85·2	85·4
	25	78·0	78·5	78·3	80·5	82·7	84·2	84·5	86·5	87·0	85·9	86·5	85·0
	26	78·2	78·6	78·8	78·7	80·7	82·8	80·5	84·0	82·5	82·1	83·6	81·7
	27	78·9	79·3	79·3	80·2	82·2	83·8	85·2	83·5	84·9	86·5	86·4	83·0
	28	75·2	76·9	79·1	79·9	80·7	81·3	84·5	85·2	85·5	86·1	86·3	83·7
	29	78·5	78·7	79·0	80·5	82·2	83·5	84·6	85·5	81·8	82·6	79·9	77.5
	30												
	31	78·3	79·0	78·8	79·2	81·8	82·3	80·8	84·5	85·2	85·8	84·2	82·7

Date. Göttingen Mean Time.		AIR THERMOMETER.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
SEPTEMBER, 1846.	1	78°·8	78°·9	79°·2	79°·3	80°·8	83°·2	84°·0	79°·2	85°·3	85°·6	85°·4	84°·6
	2	79·1	77·5	78·7	78·4	81·3	84·0	83·8	85·0	85·8	84·3	86·0	83·8
	3	77·9	77·9	78·2	79·2	80·9	82·8	84·6	85·5	86·3	86·0	85·7	84·2
	4	78·1	77·2	77·6	79·7	82·7	82·8	86·7	78·3	79·5	82·8	85·0	84·4
	5												
	6	78·0	77·9	78·2	78·2	80·2	82·5	82·0	84·2	83·8	84·7	85·6	84·4
	7	78·7	78·9	79·0	80·2	80·7	82·5	85·5	84·6	86·2	87·8	86·6	84·7
	8	77·6	79·1	79·0	80·0	82·1	85.2	85·0	86·4	87·3	87·2	83·5	83·1
	9	79·1	78·9	78·5	78·5	76·0	79·1	79·9	81·0	81·9	81·8	81·0	81·1
	10	79·2	79·3	79·2	78·8	80·7	83·1	77·9	85·8	84·6	84·4	85·4	82·1
	11	78·9	78·8	77·8	76·7	79·9	83·5	82·1	85·3	84·7	83·8	84·3	84·3
	12												
	13	79·3	79·6	79·5	80·4	81·5	82.6	83·5	84·6	84·7	83·6	85·1	85·3
	14	79·5	79·7	79·7	80·6	82·1	83·3	85·2	83·6	85·8	86·4	85·3	85·5
	15	79·4	79·5	79·5	80·4	81·3	82·0	83·4	84·0	82·4	82·8	80·0	80·4
	16	79·6	79·8	79·7	80·2	80·5	80·7	80·0	79·4	80·0	78·8	76·3	75·0
	17	79·0	78·1	76·8	79·2	78·7	80·7	83·7	84·6	83·8	82·3	82·3	83·7
	18	76·1	77·3	78·0	79·8	82·4	79·4	83·0	83·7	85·0	81·0	82·0	81·8
	19												
	20	77·3	77·2	77·0	78·2	72·2	77·2	78·8	73·8	75·5	77·0	76·5	77·9
	21	76·1	75·5	75·5	78·3	74·5	77.7	79·5	81·2	81·6	81·8	83·5	82·0
	22	75·9	75·9	75·2	76·2	—	—	—	—	81·4	82·3	83·3	83·3
	23	77·0	76·3	76·3	76·9	78·7	83·0	83·7	84·0	85·3	85·4	85·1	82·5
	24	76·2	77·0	76·7	78·2	81·0	83·8	85·0	85·3	85·6	85·7	85·0	83·8
	25	76·5	76·2	76·3	79·2	81·0	84·2	85·5	84·5	85·2	85·4	85·1	84·1
	26												
	27	78·5	77·5	77·2	78·2	80·4	85·3	84·6	85·1	86.5	86·0	85·7	84·0
	28	76·5	76·8	76·3	78·7	81·5	84·8	87·5	85·0	85·3	85·7	85·3	84·6
	29	76·5	77·0	77·0	78·7	81·7	82·3	82·6	85·5	85·6	86·8	85·0	83·4
	30	76·3	75·9	75·5	78·7	82·6	84·2	86·0	87·7	85·8	86·0	85·1	84·6
	31												

Date. Göttingen Mean Time.		AIR THERMOMETER.											
		Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
OCTOBER, 1846.	1	82°·6	82°·0	80°·7	80°·5	80°·3	79°·8	79°·8	77°·8	76°·4	75°·9	74°·7	76°·0
	2	83·2	82·2	80·0	79·7	79·5	78·6	77·2	76·6	75 8	75·9	75·8	74·7
	3												
	4	83·0	82·2	80·7	80·1	79·6	78·1	77·6	77·8	77·0	77·0	77·6	77·1
	5	84·2	83·0	82·8	82·2	80·2	80·3	80·0	80·4	79·3	79·1	79·0	78·5
	6	84·1	83·5	81·0	79 2	79·0	79 6	79·5	79·0	78·5	78·5	78·4	78·5
	7	85·5	84·0	80·2	79·8	80·0	78·6	78·5	78·4	78·1	78·1	78·2	77·9
	8	83·8	84·4	82·0	81·5	75·0	74·4	74·2	74·5	75·8	75·3	76·0	76·0
	9	82·5	82·5	81·5	78·0	77·8	76·2	75·6	75·5	76·9	75·9	77·6	77·2
	10												
	11	84·7	83·9	83·2	82·6	82·2	78·8	79·0	79·0	78·0	77·2	79·8	76·6
	12	85·7	85·3	84·0	83·7	83·3	82·2	81·5	78·2	77·5	76·2	76·8	74·8
	13	85·5	84·6	83·6	83·3	82·7	79·5	77·9	77·8	77·2	77·2	76·1	74·6
	14	85·4	83·8	82·6	82·0	81·2	79·6	76·6	76·3	76·2	75·6	76·6	75·9
	15	87·4	85·8	84·2	84·2	83·5	82·8	82·8	81·0	79·5	79·0	77·9	80·7
	16	84·8	83·8	83·3	83·5	82·4	82·0	81·2	80·6	80·0	79·0	80·1	80·0
	17												
	18	85·7	84·7	83·6	83·3	82·8	82·2	80·6	80·0	79·0	78·4	79·0	78·7
	19	85·8	84·5	83·7	83·0	83·0	82·8	81·1	80·1	78·5	79·4	79·1	76·4
	20	86·2	84·7	83·6	83·2	82·9	80·4	78·8	77·2	78·1	77·5	77·8	78·9
	21	86·0	84·2	83·2	82·4	82·0	79·5	77·0	78·8	78·2	78·9	79·0	77·1
	22	83·4	83·3	81·2	77·2	79·2	74·8	79·0	78·5	77·3	75·5	75·9	75·0
	23	83·9	83·2	81·7	78·2	77·7	78·9	77·6	77·8	78·0	77·0	77·6	77·1
	24												
	25	83·2	81·7	80·8	80·5	80·0	79·6	79·5	79·2	79·5	79·0	76·7	76·1
	26	82·5	81·2	80·8	80·2	79·9	79·5	79·1	79·0	78·9	78·9	76·1	76·1
	27	81·9	80·7	80·1	79·7	79·7	79·3	79·2	78·5	76·0	75·6	75·2	75·0
	28	83·0	81·2	80·5	80·5	80·7	79·5	78·2	77·0	76·2	76·9	78·5	77·4
	29	83·5	81·7	80·6	80·2	79·8	79·0	77·5	76·5	74·2	76·3	75·8	75·0
	30	83·0	81·5	80·8	80·2	79·6	79·5	77·1	75·8	76·1	75·1	75·1	74·2
	31												

Date. Göttingen Mean Time.		AIR THERMOMETRR.											
		Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
NOVEMBER, 1846.	1	82°·2	80°·7	79°·7	80°·1	78°·8	78°·5	77°·5	75°·0	75°·0	74°·5	75°·2	75°·4
	2	87·4	84·7	82·2	81·7	80·8	78·5	78·5	78·2	77·9	76·8	75·8	76·1
	3	84·2	82·5	91·0	80·6	78·5	78·0	77·5	76·6	77·3	76·8	75·7	75·5
	4	83·6	82·2	80·5	80·0	78·2	78·8	77·5	77·5	77·0	77·4	77·3	76·8
	5	81·9	80·7	79·7	78·3	79·8	78·5	77·8	76·2	77·6	77·5	76·8	77·1
	6	81·1	80·4	79·8	79·7	79·5	79·0	77·5	76·5	78·0	78·1	78·0	76·9
	7												
	8	84·7	81·5	80·2	79·7	79·2	76·0	75·8	74·8	73·0	73·0	72·3	73·5
	9	83 3	81·0	79·7	79·3	78·8	77·2	76·3	72·6	75·3	74·0	74·0	73·4
	10	83·1	80·9	79·3	78·7	78·0	77·8	76·8	76·2	72·8	70·8	71·5	71·9
	11	82·8	81·4	79·8	79·0	78·4	77·8	75·5	73·5	75·1	73·5	73·3	72·5
	12	83·0	81·3	80·5	80·2	79·2	77·2	72·6	74·0	73·6	74·7	74·0	73·5
	13	85·0	81·8	80·2	79·5	78·7	76·2	74·4	73·5	75·1	74·5	73·9	73·6
	14												
	15	81·7	79·8	78·7	78 3	78·0	78·0	74·7	73·8	72·6	72·8	72·9	72·6
	16	81·8	80·0	79·2	77·7	77·0	74·0	71·5	71·0	72·8	69·1	71·9	70·3
	17	80·5	78·7	77·7	77·0	76·5	72·8	74·5	72·8	72·5	69·9	70·7	71·3
	18	83·2	79·8	78·2	77·3	76·5	75·0	74·6	73·6	70·3	72·1	71·6	70·5
	19	80·8	78·8	78·0	77·2	77·5	74·5	72·0	73·5	72·1	70·9	70·5	71·1
	20	80·9	78·4	77·2	76·4	76·2	74·0	71·6	72·5	71·8	71·0	70·4	71·5
	21												
	22	82·4	79·6	77·4	76·7	76·3	75·2	73·5	70·6	68·8	70 2	69·9	69·6
	23	81·2	78·7	77·2	76 5	76·0	74·8	73·6	70·3	70·5	72·2	71·3	70·7
	24	80·8	78·2	77·0	76·5	75·7	73·5	70·8	70·5	67·8	70·6	70·1	70·5
	25	79·8	77·8	76·7	76·3	75·5	73·3	69·0	70·1	66·0	70·6	69·5	69·0
	26	80·1	78·2	77·3	77·2	77·2	75·9	74·0	72·0	75·0	75·4	76·5	76·3
	27	81·8	79·8	79·6	79·7	79·3	78·4	77·8	77·3	75·0	74·5	74·1	74·9
	28	84·0	81·5	80·0	79·6	77·7	75·8	76·5	75·8	75·5	74·3	74·9	74·9
	29												
	30	83·0	82·3	80·6	79·7	79·7	79·6	79·6	78·5	78·0	77·4	76·8	76·0
	31												

Date. Göttingen Mean Time.		AIR THERMOMETER.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
OCTOBER, 1846.	1	75·7	75°·8	75°·8	79°·2	82°·3	84°·8	86°·1	83°·5	84°·6	84°·8	84°·1	83°·6
	2	74·6	74.5	74·8	78·2	83·7	85·2	85·3	83·8	84·5	83·6	84·0	84·0
	3												
	4	77·4	77·2	77·5	79·5	83·8	85·5	84·3	85·8	86·0	85·4	85·9	84·1
	5	78·3	79·3	77·7	78·4	81·2	84·6	88·3	89·5	91·2	88·0	85·6	85·4
	6	78·9	79·2	79·2	80·3	85·3	87·8	83·8	86·0	86·5	87·5	86·6	86·7
	7	78·4	78·8	78·8	80·1	80·8	82·7	85·5	85·6	88·5	87·7	87·3	86·1
	8	76·4	76·5	76·7	77·3	79·2	83·2	85·0	83·5	83·5	83·1	84·0	82·9
	9	77·9	77·9	77·8	78·2	79·3	80·8	83·2	85·6	86·3	85·9	85·4	85·1
	10												
	11	77·4	78·2	77·7	79·8	82 7	84·6	87·8	87·8	87·6	88·1	87·7	86·4
	12	74·5	76·2	76·7	78·3	81·9	84·0	86·5	87·2	91·6	92·2	89·1	86·6
	13	72·9	75·1	74·7	77·2	81·2	84·2	86·6	88·0	89·0	87·8	87·5	86·0
	14	76·5	75·7	76·9	79·7	84·3	85·0	86·0	90·0	93·5	91·6	90·3	89·7
	15	80·1	80·2	80·3	81·2	81·7	82·8	83·8	88·0	90·3	93 0	87·4	85·9
	16	78·3	77·8	79·8	80·8	81·7	85·0	89·2	88·6	91·5	89·6	89·3	86·9
	17												
	18	78·8	78·2	78·5	81·0	84·7	88·4	86·0	87·0	87.5	87·2	86·9	86·3
	19	77·3	77·4	76·2	80·5	84·2	86·5	89·0	92·0	88·6	87·6	87·9	87·0
	20	78·0	77·2	76·8	80·7	84·3	88·8	90·5	92·2	93·8	91·4	88·4	87·6
	21	76·8	76·8	75·8	77·0	83·3	86·1	86·1	87·8	87·5	87·0	85·8	83·9
	22	73·4	71·7	74·2	78·5	83·2	84·4	86·2	86·8	88·8	88·0	86·3	85·0
	23	76·7	77·2	77·0	79·5	81·8	85·3	87·2	87·5	89·0	88·7	88·3	85·9
	24												
	25	76·7	76·0	76·2	79·2	82·7	85·2	83·6	85·1	84·8	85·0	83·9	83·4
	26	76·3	75·4	75·7	77·7	81·5	82·2	83·6	83·7	84·8	84·9	84·3	82·9
	27	75·1	75·1	75·2	78·2	80·2	83·7	85·1	84·4	86·0	84·8	84·0	83·6
	28	77·8	76·7	75·3	77·3	83·3	84·0	88·0	86·0	86·0	85·7	85·1	84·2
	29	75·6	75·1	75·8	78·3	80·8	84·5	86·5	88·2	85·5	85·0	84·8	83·6
	30	71·4	72·4	72·7	75·7	82·2	85·2	87·5	89·0	88·9	85·1	84·5	83·4
	31												

Date. Göttingen Mean Time.		AIR THERMOMETER.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
NOVEMBER, 1846.	1	75°·0	74°·2	74°·3	78°·8	81°·8	81°·6	87°·5	92°·3	93°·6	92°·9	91°·7	90°·0
	2	76·0	75·5	75·8	79·0	81·8	83·8	83·6	85·6	86·0	86·5	87·2	85·3
	3	74·8	75·0	75·8	79·2	82·0	85·0	85·6	87·3	85·7	87·3	86·4	85·3
	4	75·4	75·0	74·2	77·7	82·2	85·2	87·0	88·5	85·2	85·8	85·0	83·2
	5	77·1	76·2	74·7	76·7	79·8	84·6	87·8	84·3	83·8	83·5	82·5	82·0
	6	76·5	77·5	76·2	78·3	82·7	86·3	87·5	85·0	84·8	85·6	84·2	83·5
	7												
	8	73·0	72·7	72·4	75·8	80·8	83·1	84·6	89·0	89·8	88·4	85·6	85·6
	9	73·7	73·2	72·6	76·2	80·9	84·1	85·9	88·6	92·8	93·5	89·3	85·6
	10	72·3	72·2	71·3	74·3	79·7	83·2	86·1	88·0	90·8	87·2	84·5	84·9
	11	73·3	73·0	72·8	75·2	80·1	81·9	87·0	89·8	91·0	95·2	94·0	87·3
	12	72·2	73·2	71·7	76·5	80·1	84·3	85·5	88·8	92·5	93·3	88·0	87·0
	13	73·3	72·7	73·2	75·7	80·7	81·7	85·0	90·2	92·3	89·3	88·9	86·1
	14												
	15	71·6	70·7	70·7	74·2	78·3	82·0	84·5	86·6	90·5	91·9	91·9	83·7
	16	69·8	69·7	69·7	71·7	77·0	80·1	81·8	86·5	87·1	88·5	83·4	82·0
	17	70·0	70·4	70·0	73·2	77·8	82·3	83·7	86·4	88·5	90·5	90·1	87·3
	18	70·0	70·3	69·8	72·7	77·0	79·9	82·6	84·5	86·9	89·9	85·1	82·7
	19	71·3	69·3	70·7	72·4	77·0	30·2	82·8	86·6	87·5	83·8	82·8	81·1
	20	71·6	—	70·2	72·7	77·5	79·3	80·5	83·9	84·1	83·5	81·9	80·8
	21												
	22	71·3	72·7	72·3	73·4	76·7	80·6	83·9	87·8	90·5	91·5	87·9	83·1
	23	70·7	70·2	70·3	72·7	75·8	78·0	82·3	87·2	88·8	90·6	90·4	83·8
	24	70·7	70·2	69·5	72·0	77·0	81·1	84·5	87·5	90·0	90·0	82·5	80·8
	25	69·1	68·2	68·5	69·3	74·8	78·5	81·9	86·5	89·8	89·5	82·0	81·3
	26	75·3	74·3	74·6	75·8	80·1	85·5	89·6	92·0	91·0	90·7	84.9	82·6
	27	74·9	75·6	74·4	77·2	81·7	85·2	86·8	90·0	91·2	89·9	88·8	85·3
	28	74·5	73·7	74·9	76·2	81·2	82·5	85·5	84·5	83·5	84·5	83·8	82·8
	29												
	30	75·0	73·9	74·8	77·2	81·2	83·4	85·9	89·5	91·2	86·9	86·4	84·5
	31												

AIR THERMOMETER.

Date. Göttingen Mean Time.		Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
DECEMBER, 1846.	1	82°·3	80°·7	79°·7	77°·9	78°·8	76°·8	75°·0	76°·6	75°·6	73°·6	73°·9	71°·6
	2	82·1	79·7	78·7	78·9	79·2	77·2	76·4	73·5	75·0	73·5	73·5	71·4
	3	81·2	79·7	79·0	78·6	77·4	74·9	73·5	73·5	71·6	71·8	70·6	72·4
	4	81·3	79·4	77·7	77·2	77·0	74·4	73·6	73·4	70·0	73·6	73·0	72·6
	5												
	6	78·7	76·7	75·1	74·9	73·8	72·5	71·0	68.0	70·6	70·4	69·4	68·6
	7	78·0	76·7	75·7	75·7	75·7	74·5	72·6	71·8	70·9	70·4	70·0	68·5
	8	82 6	80·4	78·8	78·3	77·4	75·3	76·8	77·3	77.5	77·1	75·5	74 8
	9	81·5	79·7	78·4	78·6	78·5	77·7	77·2	74·5	74·5	73·5	75·0	74·9
	10	80·5	79·1	78·6	78·9	78·7	78·0	75·6	73·6	74 5	74·3	72·6	73·3
	11	80·6	78·7	77·9	77·7	77·6	76·5	76·0	75·0	74·5	74·3	73·6	73·3
	12												
	13	81·0	79·6	77·7	76·9	76·7	75·3	73·0	72.0	72·0	71·5	70·2	69·0
	14	80·0	78·8	78·1	77·8	77·7	77·0	75·2	73·8	74·5	74·4	73·1	72·4
	15	79·4	78·2	76·8	76·3	74·2	71·9	75·5	75·5	75·0	74·6	73·4	71·8
	16	81·5	79·6	78·6	77·6	76·3	74·0	71·8	72·0	74·5	73·1	74·2	73·4
	17	80·5	78·0	76·5	76·2	76·1	75·8	76·1	75·5	74·5	73·4	73·9	73·4
	18	80·9	79·0	77·5	76·8	76·0	74·5	75·8	76·5	74·8	76·6	73·8	74·0
	19												
	20	81·1	78·1	76.5	75·8	76·2	74·0	73·5	74·0	73·4	72·1	72·4	72·4
	21	79·7	78·0	77·2	77·0	76·7	74·5	73·5	73·8	73·5	73·1	72·5	72·2
	22	79·7	78·6	77·4	77·1	76·6	76·2	75·2	74·2	71·6	70·2	72·1	72·2
	23	79·0	76·8	75·4	74·7	74·7	73·8	70·3	68·5	66·6	66·5	69·1	70·1
	24	81·1	78·4	77·0	76·2	75·2	72·5	72·0	68·6	67·1	66·0	66·6	64·0
	25	79·3	77·2	75·7	75·5	74·4	69·5	69·3	68·2	67·6	64·4	64·4	64·7
	26												
	27	79·7	77·8	76·4	75·5	74·5	70·5	70·6	70·5	68·2	67·5	68·3	65·6
	28	81·3	80·2	77·3	76·7	76·0	75·3	70·5	69·2	68·0	66·9	67·5	69·3
	29	80·9	78·8	76·8	76·2	75·7	75·9	74·5	73·5	70·5	68·2	68·3	70·4
	30	83·0	80·2	77·6	76·6	76·7	76·0	73·0	71·5	73·0	71·9	72·4	71·7
	31	82·6	80·2	77·4	76·6	76·2	76·2	73·5	71·5	70·0	71·8	72·6	73·1

THERMOMETER ON THE SURFACE OF THE GROUND.

Date. Göttingen Mean Time.		Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
JANUARY, 1846.	1												
	2												
	3												
	4	83°·0	81°·1	79°·4	78°·4	78°·4	78°·0	75°·0	74°·0	73°·5	72°·8	72°·4	72°·0
	5	82·0	81·0	78·0	78·0	78·0	75·0	74·5	73·5	72·0	71·0	70·4	69·8
	6	79·8	79·0	78·2	78·0	77·6	74·5	73·0	72·0	72·0	70·4	69·0	69·0
	7	81·8	79·0	79·4	78·0	77·0	76·0	74·0	72·6	72·0	72·0	70·0	69·0
	8	82·0	78·8	78·6	77·0	77·0	76·0	74·0	72·0	71·0	68·4	69.6	68·0
	9	81·0	78·0	77·0	76·0	75·6	74·0	72·0	69·5	68·0	66·0	66·0	65·8
	10												
	11	81·2	79·9	78·0	76·9	76·1	74·0	72·0	72·0	72·4	73·8	72·4	71·6
	12	80·4	79·0	78·1	77·0	76·2	75·0	73·8	71·8	71·5	72·6	72·0	71·8
	13	81·0	79·2	78·0	77·5	76·3	76·0	73·8	72·0	72·0	73·0	72·6	72·0
	14	84·0	82·5	80·0	80·0	75·9	75·9	74·2	74·6	74·0	75·6	74·6	74·2
	15												
	16	81·2	81·2	80·0	79·0	78·9	79·8	79·0	79·0	79·0	78·8	78·8	78·3
	17												
	18	81·0	79·5	78·0	77·9	77·0	76·0	73·8	73·0	69·8	72·4	73·2	73·2
	19	91·2	78·8	77·0	76·2	76·0	73·4	72·2	69·8	68·6	68·4	68·8	67·0
	20	81·0	79·0	77·0	76·2	75·1	73·5	71·5	70·6	73·0	74·0	72·2	71·0
	21	79·0	78·0	76·8	75·4	75·1	72·6	69·8	73·0	71·0	73·0	70·0	69·0
	22	80·0	79·0	77·0	76·0	75·7	75·0	71·0	71·0	71·5	71·0	70·6	66·8
	23	80·4	79·0	77·0	76·1	75·9	74·0	70·0	69·2	69·0	67·0	66·2	67·0
	24												
	25	78·0	75·6	74·0	73·2	73·0	72·6	71·0	70·4	69·0	68·6	67·0	66·0
	26	78·6	77·0	75·0	74·7	74·0	73·5	72·0	69·0	67·0	68·0	70·0	68·0
	27	79·0	77·0	75·0	73·9	73·2	73·0	69·8	71 0	70·0	65·0	67·0	66·2
	28	78·0	77·0	75·0	74·3	73·4	72·0	71·0	67·0	67·6	65·0	67·0	68·0
	29	79·0	77·8	76·0	75·0	73·0	71·0	70·0	71·0	71·0	70·0	69·0	67·0
	30	78·2	77·0	75·0	73·8	73·0	72·0	71·0	69·0	68·2	67·0	66·0	65·0
	31												

Date. Göttingen Mean Time.		AIR THERMOMETER.											
		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
DECEMBFR, 1846.	1	72°·1	71°·2	72°·2	75°·0	79°·8	82°·5	82°·2	83°·2	83°·2	84°·1	83°·8	83°·5
	2	73·6	73·2	70·8	73·4	78·7	81·5	83·7	82·5	84·0	83·8	83·2	82·1
	3	70·3	68·8	69·6	71·9	76·2	82·5	81·9	83·8	85·9	84·7	84·5	83·3
	4	71·9	72·1	72.7	74·8	79·0	82·5	83·5	84·0	88·0	89·3	89·6	83·1
	5												
	6	69·1	67·0	69·7	71·0	74·2	77·0	80·5	84·8	82·0	82·7	81·3	79·3
	7	70·3	72·1	72·7	73·2	76·8	80·8	84·5	88·3	90·3	86·0	85·4	83·6
	8	73·9	73·1	74·7	75·7	80·7	82·8	86·5	89·2	91·8	89·9	86·4	82·9
	9	72·9	72·8	72·4	75·0	79·7	82·5	85·8	85·4	83·2	82·9	82·2	81·5
	10	73·5	72·7	72·0	73·7	79·2	82·8	86·0	84·9	83·5	83·9	82·7	81·7
	11	73·1	73·7	72·7	73·7	77·7	79·8	80·5	81·5	81·7	82·4	81·0	80·5
	12												
	13	69·7	69·7	68·9	71·2	72·9	78·5	82·6	82·5	84·0	83·7	82·7	81·3
	14	71·9	71·2	70·8	71·7	76·0	81·5	82·5	82·5	80·1	82·3	82·2	80·9
	15	68·6	69·2	70·0	68·5	76·8	80·5	81·5	85·5	87·5	83·5	83·4	82·2
	16	72·2	71·9	71·2	71·7	77·1	79·6	82·2	85·2	87·3	88·5	84·8	82·1
	17	73·5	71·9	71·8	73·3	78·6	80·7	82·5	86·1	83·6	83·3	83·7	81·9
	18	72·0	70·2	71·8	73·2	77·2	80·6	82·8	85·6	87·5	90·9	90·2	88·3
	19												
	20	70·9	70·7	69·9	70·8	73·7	77·0	79·0	80·5	81·5	81·5	81·0	81·5
	21	69·6	72·6	70·4	70·4	76·2	79·0	82·5	85·5	89·2	90·0	84·1	81·7
	22	71·5	70·8	71·2	70·3	76·9	78·5	80·6	82·8	86·2	84·4	82·9	80·4
	23	69·8	69·4	68·7	69·7	74·0	77·5	81·2	83·5	84·8	87·5	86·5	83·3
	24	66·4	63·8	67·0	67·2	73·2	76·3	77·5	81·6	82·5	81·9	81·5	81·0
	25	66·9	66·7	66·7	66·9	70·8	74·0	76·6	79·8	83·2	84·9	81·5	80·1
	26												
	27	66·4	68·7	68·0	68·2	73·0	77·2	80·0	82·1	86·9	89·5	89·0	82·9
	28	69·5	70·3	69·2	70·9	73·9	77·0	80·8	83·5	87·1	88·3	84·1	82·2
	29	69·6	70·9	70·0	71·2	75·3	79·2	81·8	84·5	88·6	89·7	91·9	91·5
	30	71·7	73·0	72·0	73·7	76·8	79·2	82·8	85·5	90·0	89·6	91·5	84·6
	31	72·3	72·1	72·8	73·1	77·2	81·8	83·5	84·8				

Date. Göttingen Mean Time.		THERMOMETER ON THE SURFACE OF THE GROUND.											
		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
JANUARY, 1846.	1												
	2												
	3												
	4	71°·5	74°·0	74°·0	72°·6	78°·0	80°·7	83°·2	85°·0	87°·0	87°·8	87°·8	83°·0
	5	71·0	73·0	72·6	72·4	73·0	79·0	82·0	83·0	83·0	84·6	84·0	83·0
	6	68·0	68·6	68·0	67·7	72·2	78·1	82·0	82·7	84·0	85·0	85·0	83·5
	7	66·0	67·0	67·0	66·0	73·4	78·0	81·2	85·8	89·0	89·6	89·4	84·0
	8	66·6	69·0	66·8	66·6	71·0	78·8	81·0	85·2	85·0	84·0	83·0	82·0
	9	64·8	66·0	65·0	65·0	73·0	78·0	79·0	80·0	81·0	82·6	83·8	82·0
	10												
	11	71·0	69·8	69·0	69·0	75·0	79·5	82·0	83·0	83·0	83·0	83·0	82·8
	12	71 0	72·0	69·2	69·2	75·0	79·0	83·0	85·0	87·0	86·0	86·0	84·0
	13	72·0	70·0	70·0	71·0	75·2	80·6	84·0	87·8	91·5	89·0	88·0	86·2
	14	74·2	73·0	71·2	72·0	74·2	79·9	83·4	86·0	90·0	91·0	90·8	90·6
	15												
	16	78·2	72·0	72·0	71·2	73·0	75·0	79·0	—	—	—	—	—
	17												
	18	73·4	69°·0	69·0	67·9	73·0	77·6	80·2	82·2	82·0	85·0	91·0	91·0
	19	66·8	66·2	65·0	68·8	75·0	79·0	81·8	85·0	82·6	82·8	82·2	82·2
	20	71·0	65·9	66·2	67·1	73·0	78·8	79·5	79·0	79·8	81·0	82·2	80·9
	21	68·6	66·0	67·1	68·4	74·9	77·5	79·4	81·0	81·8	83·0	82·0	81·6
	22	65·0	65·0	65·5	65·5	73·0	77·5	79·0	81·0	81·5	83·8	83·0	81·0
	23	65·0	65·0	63·3	67·0	72·7	74·0	76·0	77·0	79·0	80·0	81·0	80·0
	24												
	25	65·0	66·9	67·3	69·0	72·2	73·8	78·0	79·0	81·0	82·3	81·0	80·0
	26	66·0	67·0	67·0	69·2	71·4	73·8	77·0	79·0	79·0	81·0	81·0	79·0
	27	64·8	63·2	64·0	65·0	71·2	75·8	76·0	77·4	78·6	79·0	81·0	80·0
	28	70·8	68·0	67·0	67·0	73·2	76·0	78·0	79·0	79·5	81·0	82·6	82·0
	29	67·0	67·0	67·0	67·4	71·4	76·0	81·0	83·0	81·4	82·6	83·0	81·0
	30	65·0	66·7	66·2	67·0	73·8	75·4	77·0	79·5	79·0	80·0	83·4	82·0
	31												

THERMOMETER ON THE SURFACE OF THE GROUND.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
FEBRUARY, 1846.	1	81·2	78·0	77·0	76·0	75·0	74·8	73·6	73·8	73·0	71·8	71·4	70·6
	2	79·4	79·0	75·9	75·0	74·2	73·0	72·8	71·0	70·0	67·8	69·0	69·0
	3	79·5	78·2	77·0	75·8	75·0	73·4	72·0	69·4	68·2	67·8	66·6	67·0
	4	81·0	79·4	78·8	77·0	76·2	76·0	74·6	71·8	69·0	67·0	67·8	65·6
	5	81·0	80·0	78·0	77·2	77·0	75 0	72·0	70·0	69 0	69·0	73·4	73·0
	6	82·0	82·0	79·4	78·2	78·0	74·4	72·4	72·0	72·6	71·4	73·4	73·4
	7												
	8	83·0	81·0	79·0	78·0	78·0	77·0	74·8	75·0	75·0	73·0	73·4	71 0
	9	78·0	79·0	77·2	76·0	76·0	75·0	74·0	71·0	74·4	73·4	69·0	69·9
	10	79·4	78·8	77·0	76·2	76·2	75·8	75·0	74·0	72·6	73·0	72·0	72·2
	11	79·0	78·8	76·0	75·4	74·8	74·0	74·0	74·0	74·0	73·4	73·4	72·6
	12	77·0	76·0	73·6	73·0	72·4	71·0	70·8	68·0	67·0	66·0	65·8	66·6
	13	77·0	77·0	75·0	73·8	73·4	72·6	72·0	69·0	66·2	65·2	64·8	67·0
	14												
	15	81·0	79·0	76·8	76·4	75·2	74·6	72·2	69·0	68·0	67·0	65·0	67·8
	16	81·0	80·4	79·0	77·8	77·6	76·6	74·0	76 0	75·8	73·8	75·0	74·0
	17	83·8	82·4	81·0	79·0	78·9	78·0	78·0	77·0	75·4	75·0	74·8	73·4
	18	83·0	81·6	79·8	79·0	79·0	78·6	76·2	76·2	76·2	75·0	73·0	71·4
	19	83·0	82·2	81·0	79·4	79·0	76·0	74·8	74·2	73·0	71·0	71·0	75·8
	20	81·8	81·2	79·8	79·0	78·4	75·4	76·0	76·0	73 0	70·0	69·0	69·0
	21												
	22	79·6	79·0	76·8	76·2	75·6	75·0	73·0	71·2	70·8	67·0	69·0	67·0
	23	80·4	78·8	77·0	76·2	75·6	75·0	74·8	74·4	74·0	73·0	71·8	70·0
	24	81·0	79 4	78·0	77·0	76·0	76·0	75·2	75·0	74·4	71·0	69·4	68·0
	25	—	—	—	—	72·2	75·0	74·4	72·0	71·8	67·5	67·9	71·0
	26	81·0	79·0	76·6	75·0	74·8	74·8	75·0	74·6	73·4	71·0	71·0	71·0
	27	79·0	79·0	77·0	75·8	75·0	75·2	75·0	72·4	73·0	72·0	—	—
	28	—	—	—	—	—	—	—	—	—	—	—	71·0
	29												
	30												
	31												

THERMOMETER ON THE SURFACE OF THE GROUND.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
MARCH, 1846.	1												
	2	81·0	79·4	77·0	75·5	75·5	76·8	76·4	76·0	75·8	76·0	75·4	74·4
	3	83·6	81·0	80·0	78·0	78·6	79·0	77·4	75·6	73·6	78·0	77·0	76·6
	4	82·0	79·5	77·6	77·0	75·5	77·0	75·8	72·8	71·6	72·4	73·0	72·4
	5	82·0	80·0	77·8	76·0	75·0	76·8	76·8	76·6	75·6	74·2	73·0	73·0
	6	83·0	82·0	79·4	79·0	78·6	78·6	78·0	77·6	77·0	76·6	76·4	76·0
	7												
	8	81·8	82·0	79·4	78·0	77·8	75·6	73·8	70·6	72·2	73·0	73·0	71·0
	9	84·0	81·8	79·5	78·0	76·0	75·0	78·0	77·0	76·0	73·0	73·4	72·8
	10	83·0	81·5	79·0	78·0	76·0	75·0	75·2	75·0	76·4	75·8	75·5	73·4
	11	82·0	81·0	79·0	78·2	78·0	78·0	77·0	77·0	76·6	75·0	75·0	73·0
	12	83·0	81·3	79·0	77·8	77·5	77·0	76·2	75·5	73·8	75·0	75·4	74·6
	13	82·4	79·7	77·8	76·6	75·8	75·8	77·0	77·0	76·0	76·0	76·0	74·6
	14												
	15	81·8	79·8	77·0	75·4	75·0	75·2	73·8	73·0	73·0	73·0	72·4	72·6
	16	83·4	80·0	79·0	77·0	75·5	76·0	75·6	77·0	74·2	74·0	70·2	75·0
	17	83·4	80·0	77·8	75·7	75·0	72·0	69·5	70·0	71·8	74·6	73·2	73·0
	18	81·0	79·0	76·0	74·6	73·5	73·0	73·0	71·0	70·0	72·2	72·8	—
	19	—	—	—	—	—	—	—	—	—	—	—	75·0
	20	83·0	81·0	77·8	77·8	75 6	76·0	75·0	74·5	74·0	73·0	71·6	72·2
	21												
	22	83·0	81·8	79·8	79·0	78·6	79·0	78·0	77·7	77·0	75·0	74·0	76·0
	23	88·0	85·4	83·0	81·4	81·4	81·5	79·0	78·0	76·0	77·0	77·0	75·0
	24	86·2	87·6	81·8	81·4	80·4	80·0	80·0	79·0	78·0	78·0	76·8	76·8
	25	87·0	85·0	81·8	81·4	80·6	80·0	79·0	79·0	78·5	78·4	78·0	78·4
	26	87·0	85·4	83·0	81·5	80·6	81·0	80·0	79·5	79·5	78·2	76·4	77·0
	27	85·8	83·5	81·6	79·7	79·4	79·0	79·0	78·5	78·0	78·0	78·0	77·0
	28												
	29	83·5	81·6	79·6	77·8	77·0	77·0	77·4	77·6	79·0	78·0	78·0	77·0
	30	85·0	82·8	81·0	79·0	77·6	77·6	77·0	77·0	76·4	76·6	76·6	76.2
	31	85·8	83·0	81·4	79·3	77·5	77·0	77·0	77·0	77·0	78·0	78·0	78 0

THERMOMETER ON THE SURFACE OF THE GROUND.

Date. Göttingen Mean Time.		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
FEBRUARY, 1846.	1	71°0	71°0	70°8	71°0	75°0	78°8	82°4	82°4	80°8	83°0	83°0	80°6
	2	68·4	69·0	68·8	69·0	73·4	76·8	81·8	79·4	79·4	79·4	80·0	80·0
	3	65·0	69·0	67·2	67·0	72·4	78·0	81·0	81·0	80·6	81·0	81·8	81·0
	4	65·0	65·0	67·4	66·0	75·8	80·0	80·0	82·0	84·0	83·0	83·0	82·0
	5	71·4	69·0	65·8	67·0	75·4	81·0	82·6	86·0	89·0	85·4	85·8	85·4
	6	68·6	67·8	69·4	73·0	77·4	82·0	84·2	86·0	90·2	89·8	85·0	83·0
	7												
	8	70·0	72·2	72·8	72·2	75·4	79·0	81·0	82·0	82·8	81·4	81·0	80·0
	9	69·0	68·4	68·4	71·0	77·0	81·0	83·0	84·0	83·0	81·0	82·0	79·8
	10	71·4	70·2	73·2	73·2	76·0	80·8	81·0	81·0	82·0	81·5	81·0	79·0
	11	73·3	71.0	71·4	71·4	77·8	81·0	81·0	82·6	80·0	79·0	78·6	77·0
	12	67·0	67·2	67·0	68·2	73·0	76·8	79·0	80·0	80·0	79·0	78·6	78·0
	13	67·4	65·8	67·6	70·2	75·0	79·8	80·0	81·0	81·0	79·0	79·0	78·8
	14												
	15	69·8	70·0	69·0	71·0	75·0	80·0	81·0	84·0	88·0	90·8	91·6	85·8
	16	73·5	73·8	73·4	76·0	81·2	84·6	86·6	89·2	91·0	93·0	95·0	91·0
	17	73·4	73·6	73·0	75·1	81·8	86·0	85·0	89·0	90·0	86·0	86·0	85·0
	18	73·5	71·4	73·0	74·2	81·0	84·0	84·6	86·6	86·0	85·0	85·8	85·5
	19	75·0	73·0	73·2	73·0	75·0	81·0	83·0	84·6	85·0	84·0	84·6	83·8
	20	70·2	67·2	69·8	71·6	77·0	80·8	81·8	82·6	83·0	81·0	81·0	81·0
	21												
	22	67·0	67·4	67·6	71·4	77·0	82·2	83·0	80·0	81·0	81·0	81·4	81·0
	23	69·8	69·4	71·2	73·4	78·2	81·8	85·0	83·0	82·0	83·4	82·0	82·0
	24	71·4	71·0	71·2	74·0	79·2	—	—	—	—	—	—	—
	25	71·0	71·6	71·4	73·0	79·0	82·4	84·8	84·0	82·0	81·8	82·0	81·4
	26	69·0	71·0	70·8	73·4	78·8	83·6	84·0	84·2	84·2	81·8	82·0	81·8
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	71·0	72·0	71·8	73·2	78·0	83·0	86·6	84·8	83·0	83·0	83·0	83·0
	29												
	30												
	31												

THERMOMETER ON THE SURFACE OF THE GROUND.

Date. Göttingen Mean Time.		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
MARCH, 1846.	1												
	2	74°2	71°0	71°8	73°5	77°8	83°8	85°2	82°8	84°0	86°2	86°0	85°4
	3	76·1	74·0	74·6	74·0	76·0	81·0	83·0	83·0	84·0	85·0	85·0	84·4
	4	72·4	70·0	69·4	72·0	77·8	80·4	82·8	83·4	83·6	85·2	85·0	84·6
	5	72·4	71·0	70·9	73·8	77·5	81·0	81·6	83·0	84·2	85·0	86·0	85·0
	6	76·0	74·8	71·9	73·0	76·0	81·0	83·2	85·0	86·8	86·4	87·0	87·0
	7												
	8	70·0	66·5	69·2	75·5	79·8	84·0	84·7	85·0	85·0	84·4	86·0	85·4
	9	70·8	70·8	69·0	73·0	79·0	83·8	83·0	83·0	85·0	85·0	85·0	85·0
	10	71·8	71·6	71·5	75·0	80·4	85·0	87·0	85·0	86·0	86·0	86·0	84·6
	11	72·6	71·5	71·8	73·8	77·0	82·8	84·0	83·0	85.8	86·0	86·0	86·0
	12	74·0	71·8	72·4	75·0	—	—	—	—	85·0	84·0	84·6	85·0
	13	74·3	73·8	73·8	75·8	77·8	80.8	83·2	84·0	82·7	84·4	83·0	83·0
	14												
	15	73·0	72·0	69·8	71·0	75·5	79·6	84·2	87·0	88·6	89·0	88·0	86·5
	16	74·6	73·4	69·4	72·8	79·8	80·0	82·8	84·2	84·8	85·0	85·0	85·0
	17	70·4	68·6	67·8	73·4	77·4	78·0	82·0	81·8	82·5	85·0	84·2	84·4
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	74·4	71·5	72·0	74·0	80·0	84·0	86·0	84·0	85·0	83·4	85·0	84·2
	20	71·0	69·5	69·7	75·0	79·6	84·5	85·0	84·0	85·0	85·6	86·0	84·6
	21												
	22	75·0	75·4	71·0	74·0	79·7	87·0	87·0	88·0	89·5	90·0	89·8	89·8
	23	74·8	71·0	71·0	77·0	84·0	89·0	94·0	90·0	92·0	88·4	89·0	89·0
	24	76·5	77·4	74·8	79·3	82·8	87·5	88·5	89·0	89·0	89·0	88·6	88.4
	25	76·8	76·0	77·8	79·8	83·8	88·6	—	88·5	89·0	88·8	89·0	90·0
	26	77·0	75·5	75·5	79·8	83·8	86·0	88·0	88·0	89·0	90·4	89·0	88·6
	27	75·0	72·8	73·4	77·8	82·0	85·0	85·0	86·0	89·0	88·4	88·4	88·0
	28												
	29	77·0	75·5	73·0	75·7	81·3	83·8	86·2	87·0	87·0	86·2	86·2	87·0
	30	76·6	73·0	73·0	77·4	82·0	85·0	86·2	87·0	87·8	88·0	89·0	89·0
	31	77·0	75·6	75·6	77·8	79·7	82·0	85·0	86·4	87·0	86·8	87·0	88·0

THERMOMETER ON THE SURFACE OF THE GROUND.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
APRIL, 1846.	1	85°·8	83°·0	80°·6	78°·6	77°·4	77°·0	76°·4	76°·6	74°·8	75°·0	76°·0	76°·0
	2	85.4	82·8	79·8	77·7	77·5	77·6	77·2	77·0	76·8	77·0	76·6	74·8
	3	85·4	84·0	81·0	79·0	78·0	78·2	76·2	76·0	76·2	76·4	76·0	76·4
	4												
	5	86·8	84·6	82·0	81·4	80·6	79·4	79·4	79·4	79·0	78·4	78·4	76·0
	6	86·4	83·5	81·8	80·6	79·4	79·0	78·8	78·4	78·2	78·0	78·0	77·4
	7	85·6	83·0	81·5	79·4	79·0	79·0	79·0	79·0	78·4	78·6	78·4	78·0
	8	86·6	83·4	81·4	79·4	79·0	78·8	78·4	78·4	78·2	78·0	78·0	76·0
	9	87·0	84·6	82·0	81·4	80·8	79·8	79·2	79·0	79·0	79·0	78·6	78·6
	10	86·0	83·4	81·5	79·5	79·4	79·0	79·0	78·8	78·4	78·2	73·0	76·0
	11												
	12	85·4	83·4	81·4	80·6	79·4	80·0	79·4	80·0	79·8	80·6	80·0	78·4
	13	87·0	85·4	83·4	83·0	81·8	81·0	81·0	80·8	80·8	80·4	78·8	78·4
	14	87·0	85·0	83·0	81·4	80·8	80·8	80·8	79·8	79·4	80·2	79·0	79·0
	15	87·4	85·0	82·6	81·4	80·4	79·4	79·2	79·2	79·0	79·0	79·0	77·0
	16	89·6	85·4	82·8	81·4	79·5	79·4	78·8	79·4	79·4	80·4	79·8	78·8
	17	89·0	85·0	83·0	81·0	79·7	79·1	77·2	78·0	79·0	79·0	78·6	78·4
	18												
	19	85·9	84·6	83·0	81·3	81·0	81·0	80·8	79·6	79·6	80·2	79·0	79·0
	20	87·0	85·0	83·0	81·4	81·0	79·6	79·4	79·0	78·8	78·8	77·4	76·0
	21	87·7	85·4	83·4	83·0	81·4	80·2	79·6	79·2	79·0	79·0	77·8	76·0
	22	91·0	89·4	86·6	85·0	84·8	84·2	83·0	82·0	81·8	80·4	81·0	—
	23	—	—	—	—	—	—	—	—	—	—	—	81·0
	24	89·8	89·5	86·6	85·0	83·8	83·0	83·6	83·2	82·4	82·8	81·2	81·6
	25												
	26	89·7	88·0	85·8	83·8	83·0	83·0	84·8	82·8	81·0	83·2	81·2	81·0
	27	91·0	89·0	85·6	83·8	83·0	82·8	80·0	81·0	81·4	82·2	80·4	78.4
	28	92·4	89·4	87·0	85·5	85·2	84·4	81·0	80·2	81·2	82·2	83·0	81·0
	29	90·0	87·8	83·8	83·0	82·2	81·4	80·4	80·0	77·0	76·6	77·0	77·0
	30	91·4	87·8	84·6	83·0	82·6	82·8	82·6	81·8	81·0	80·0	80·0	80·0
	31												

THERMOMETER ON THE SURFACE OF THE GROUND.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
MAY, 1846.	1	90°·6	88°·1	85°·4	83°·8	83°·4	83°·0	83°·0	82°·0	81°·8	80°·4	80°·0	79°·2
	2												
	3	91·4	89·6	86.8	85·0	83·8	83·4	83·2	82·2	79·8	80·6	80·3	80·4
	4	94·0	89·7	86·6	85·0	84·4	84·4	83·0	83·0	83·0	82·6	82·6	82·6
	5	93·0	89·5	87·0	85·0	84·0	83·6	83·0	83·0	82·4	82·8	82·8	82·6
	6	93·4	90·2	86·6	85·0	84·6	83·8	83·1	83·0	83·0	83·0	82·6	82·4
	7	90·0	89·0	85·7	84·6	83·4	83·2	83·2	83 0	83·0	83·0	82·4	81·8
	8	92·2	89·4	85·6	83·8	83·4	82·9	82·9	82·8	82·0	81·4	81·0	78·6
	9												
	10	91·4	87·8	85·8	83·8	83·4	83·6	83·2	83·0	83·0	83·0	83·0	82·0
	11	90·4	87·6	85·8	84·0	83·5	83·6	84·0	83·2	83·2	84·0	84·0	84·2
	12	92·6	89·6	85·8	84·6	84·0	85·6	85·8	85·0	83·8	84·0	83·6	83·0
	13	94·2	91·0	88·0	85·8	85·8	86·0	85·8	85·4	85·0	85·0	84·4	85·0
	14	92·4	89·8	87·0	85·6	87·4	87·0	85·2	85·0	84·6	85·0	84·2	84·0
	15	90·2	90·2	86·5	86·0	85·0	83·2	83·6	83·0	81·2	81·0	80·6	80·2
	16												
	17	93·8	91·0	88·0	86·4	85·8	85·2	84·8	83·8	83·4	83·8	84·0	84·0
	18	94·0	91·0	88·0	86·0	85·8	85·0	85·0	84·4	84·2	84·0	84·0	84·0
	19	94·0	91·4	89·4	87·4	85·8	85 4	85·0	85·0	85·0	85·0	85·0	84·6
	20	94·0	91·0	87·4	85·4	85·0	85·0	84·6	84·2	83·6	84·6	84·6	84·4
	21	93·0	91·4	88·6	87·8	85·4	85·0	85·0	84·8	84·4	84·2	84·4	84·4
	22	94·6	91·0	88·0	87·0	85·6	86·0	85·8	85·2	85·2	85·0	85·0	84·6
	23												
	24	92·0	89·8	87·4	87·0	85·8	85·6	85·0	85·0	85·0	85·0	84·6	85·0
	25	96·0	91·0	88·0	86·2	85·6	85·2	85·0	85·0	85 0	85·0	85·0	85·0
	26		92·0	88·4	86·5	86·4	85·8	85·8	85·0	85·0	85·2	84·5	84·2
	27	95·5	91·9	89·0	86·2	86·0	85·2	85·1	85·0	85·0	84·6	84·5	84·0
	28	96·0	93·8	89·0	86·3	85·4	85·0	84·3	84·4	84·0	84·6	84·2	83·6
	29	94·8	92·7	89·0	86·4	86·0	85·1	84·4	84·4	84·0	83·8	83·4	—
	30	—	—	—	—	—	--	—	—	—	—	83·2	82·0
	31												

THERMOMETER ON THE SURFACE OF THE GROUND.

Date. Göttingen Mean Time.		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
APRIL, 1846.	1	75°0	73°4	73°0	77°7	81°6	83°0	84°0	86°4	86°6	87°0	87°0	88°0
	2	74·4	73·8	73·8	77·6	82·8	88·0	89·2	87·0	88·2	88·0	89·0	88·4
	3	75·4	73·8	74·0	78·0	86·0	87·6	87·0	85·6	87·2	88·0	88·0	87·0
	4												
	5	75·8	74·2	75·0	77·8	83·6	85·6	87·0	87·0	88·2	89·8	88·4	89·0
	6	75·0	73·4	73·4	77·5	83·4	88·0	87·0	88·0	87.6	88·0	87·0	88·0
	7	78.0	76·8	75·6	80·0	83·4	89·0	87·6	87·0	88·8	89·0	89·0	90·0
	8	76·4	74·8	75·0	78·6	81·8	85·0	86·0	87·0	87·6	90·0	88·0	90·0
	9	78·0	75·4	76·6	80·8	84·0	87·2	87·0	88 0	88·2	89·0	88·6	86·0
	10	75·4	73·5	74·6	79·5	83·8	86·0	88·2	88·4	87·4	88·0	88·0	88·0
	11												
	12	77·0	75·6	75·6	80·0	84·0	86·4	87.0	89·0	89·2	89·0	88·2	89·0
	13	78·2	78·0	77·5	79·0	86·0	87·6	87·8	89·4	91·0	90·0	89·8	89·6
	14	78·4	75·8	75·9	80·0	85·5	87·0	88·2	89·0	89·0	89·0	89·4	88·6
	15	76·2	75·0	74·8	81·0	87·0	89·2	89·0	89·0	90·0	91·0	90·4	92·0
	16	78·4	77·4	77·0	79·8	85·4	84·2	87·0	88·2	89·4	90·0	90·0	91·0
	17	77·0	75·4	75·6	81·4	85·5	87·0	87·4	89·0	89·6	90·0	90·0	89·0
	18												
	19	80·0	79·4	77·4	82·0	87·4	89·0	89·0	91·0	89·6	92·0	90·0	90·4
	20	74·8	73·8	75·6	79·4	85·6	88·0	89·2	90·8	91·0	90 8	90·0	89·0
	21	75·6	74·6	75·5	79·5	83·8	86·0	89·0	90·0	91·0	91·0	91·0	92·0
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	82·2	81·6	81·8	85·0	90·6	92·0	94·0	92·0	91·0	94·2	94·2	93·8
	24	81·0	79·0	79·6	85·4	89·8	89·2	91·0	91·0	92·0	93·4	92·0	92·0
	25												
	26	81·1	81·1	81·5	85·6	89·8	94·2	93·0	93·8	94·0	93·6	93·4	95·0
	27	78·4	77·0	79·0	83·6	87·8	92·0	93·2	93·0	94·2	95·8	94·2	94·2
	28	78·0	77·0	79·0	83·4	85·8	88·0	89·4	91·0	90·0	91·6	92·6	92·8
	29	76·8	75·4	76·0	83·0	86·6	88·0	89·0	90·2	91·0	92·4	93·0	93·0
	30	79·0	77·5	79·5	83·8	87·4	89·0	90·2	91·0	93·0	93·4	92 4	93·0
	31												

THERMOMETER ON THE SURFACE OF THE GROUND.

Date. Göttingen Mean Time.		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
MAY, 1846.	1	80°0	79°0	80°6	85°0	89°0	90°2	91°0	92°0	93°0	92°6	93°0	94°0
	2												
	3	80·8	79·0	80·0	85·0	88·0	89·0	90·8	92·2	93·0	93·0	93·4	95·0
	4	82·6	80·6	81 4	85·4	89·8	92·0	91·0	91·0	93·0	94·0	94·0	95·0
	5	82·6	80·6	81·0	84·0	89·8	91·0	91·0	92·0	93·0	94·0	93·4	94·4
	6	82·2	81·0	81·0	83·8	87·4	89·0	91 4	93·0	93·0	92·4	93·0	93·0
	7	80·6	79·4	79·9	85·8	89·7	89·8	90·0	91·6	92·2	93·6	92·6	93·8
	8	79·0	78·2	79·4	85·5	89·8	91·0	90·0	91·0	92·0	92·0	93·0	90·0
	9												
	10	81·4	79·6	80·0	85·6	90·0	89·2	89·4	91·4	92·0	93·0	94·4	91·0
	11	83·0	82·0	83·8	89·6	92·0	91·4	92·0	94·4	94·2	94·8	94·0	93·0
	12	82·4	82·5	82·8	86·7	90 0	91·0	92·0	93·0	93·2	93·4	93·6	94·6
	13	84·2	83·2	84·0	85·0	87·0	90·2	96·0	97·0	97·8	96·0	94·6	94·6
	14	84·0	81·8	83·8	86·0	87·4	88·8	91·4	93·2	94·6	95·0	90·0	92·4
	15	79·0	77·0	79·0	84·6	87·8	88·0	90·4	91·0	92·8	95·0	93·0	94·4
	16												
	17	82·0	81·8	83·5	86·0	90·0	90·4	92·6	93·4	95·0	95·0	94·4	94·6
	18	84·0	82·8	83·8	86·6	88·0	91·0	94·2	94·2	94 0	94·6	96·0	94·6
	19	84·6	83·5	84·0	87·0	89·8	93·0	95·0	95·4	97·8	95·0	95·8	95·0
	20	84·2	83·4	83·8	89·0	91·6	90·6	92·0	93·4	95·4	95·6	95·0	94 6
	21	83·4	83·0	84·0	87·8	89·0	93·0	93·4	94·2	95·0	96·2	95·0	95·4
	22	84·4	83·0	83·8	87·0	89·6	91·0	92·2	93·6	94·8	96·0	95·0	95·2
	23												
	24	84·6	83·4	84·6	88·0	92·0	92·4	94·0	95·0	95·8	97·0	97·0	95·2
	25	85·0	83·6	84·0	87·8	89·8	93·0	93.4	95·2	96·0	96·4	95·8	96·6
	26	83·8	83·6	85·4	88·2	92·0	93·0	93·0	95·0	95·0	95·4	95·1	96·3
	27	83·8	83·5	84·4	88·3	91·2	92·5	94·9	95·0	96·7	96·5	95·8	97·3
	28	84·0	83·0	84·4	88·0	91·5	91·8	93·3	94·3	95·0	95·6	95·6	95·2
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	—	—	—	—	93·5	93·3	93·1	94·0	96·0	96·2	96·4	97·2
	31												

THERMOMETER ON THE SURFACE OF THE GROUND

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
JULY, 1846.	1	83°7	83°2	82°0	80°0	81°1	81°2	81°4	81°0	79°0	81°0	81°0	81°2
	2	81·0	80·2	80·8	80·0	80·5	81·0	80·7	80·0	79·6	80·1	80·1	80·6
	3	84·7	83·0	81·3	81·2	81·0	81·0	81·0	80·4	80·8	78·9	80·3	80·4
	4												
	5	87·4	86·5	84·3	84·3	81·4	81·9	81·0	81·0	80·6	80·2	80·0	80·2
	6	90·8	86·2	84·2	82·2	82·1	82·5	81·8	82·0	81·1	81·0	80·8	80·6
	7	87·4	84·2	83·2	82·4	82·3	82·2	81·6	81·5	81·1	81·1	81·0	81·0
	8	89·3	86·0	84·2	82·3	82·0	82·0	82·1	81·8	81·0	81·4	80·8	81·0
	9	93·0	89·0	85·2	83·0	82·2	82·0	81.7	82·0	81·0	81·3	80·9	80·7
	10	90·5	87·2	85·0	83·0	82·4	82·5	81·5	81·8	81·8	82·0	82·0	81·7
	11												
	12	87·2	86·0	85·3	84·4	84·0	84·0	83·5	83·3	83·2	83·3	83·0	82·8
	13	84·9	82·9	83·3	82·8	82·0	81·4	80·0	80·2	80·2	80.5	80·4	76·6
	14	87·5	83·5	82·5	81·8	81·5	81·2	81·2	81·1	81·0	81·0	80·6	80·0
	15	82·2	81·3	81·3	78·3	77·3	77·0	76·5	77·0	76·7	77·0	76·8	76·8
	16	74·0	78·0	79·2	73·3	75·0	76·2	76·3	76·5	76·7	76·2	75·7	74·0
	17	76·1	77·0	75·9	77·0	76·5	76·5	76·5	74·8	77·0	78·1	79·0	78·2
	18												
	19	78·0	77·0	78·5	77·0	76·5	76·6	77·3	77·0	75.9	76·3	75·2	75·0
	20	78·2	79·5	76·0	75·0	76·2	77·2	77·0	75·7	76·7	76·0	76·0	77·0
	21	80·0	78·4	76·5	77·0	77·0	76·8	77·0	77·4	78·0	77·0	77·9	77·8
	22	82·0	78·0	77·3	77·3	77·3	78·7	78·0	76·6	78·0	77·4	—	—
	23	—	—	—	—	—	—	—	—	—	—	78·9	78·8
	24	76·6	76·0	76·3	76·2	76·0	76·9	76·6	76·0	77·0	77·7	78·1	79·0
	25												
	26	80·0	78·5	77·0	76·9	77·5	78·0	78·8	78·8	79·0	77·2	78·8	77.8
	27	80·6	77·5	77·8	78·0	78·5	77·5	78·0	79·0	79·0	79·0	79·0	78·0
	28	83·3	81·2	79·0	77·0	78·0	79·1	77·1	76·6	78·2	78·4	76·9	77·4
	29	78·5	80·0	79·3	79·2	79·2	78·7	79·0	79·1	79·6	79·5	79·5	79·2
	30	79·6	78·9	79·2	78·8	78·9	78·0	79·0	78·0	79·0	79·0	78·4	79·0
	31	76·0	80·3	79·4	80·0	79·3	79·8	78·0	78·7	79·0	79·5	76·8	78·7

THERMOMETER ON THE SURFACE OF THE GROUND.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
AUGUST, 1846.	1												
	2	86°9	84°5	82°0	80°2	80°0	79°8	79°1	79°0	78°6	78°7	77°8	78°1
	3	85·2	85·0	79·5	80·0	79·9	80·0	79·7	79·0	79·0	79·2	79·4	78·7
	4	87·2	85·2	80·5	80·0	80·0	80·0	80·0	79·6	78·9	79·0	79·0	79·3
	5	85·9	83·2	81·2	80·0	78·0	79·4	79·6	76·6	77·9	78·0	77·9	78·3
	6	87·7	84·4	82·5	80·5	80·1	80·3	79·0	79·3	79·5	79·3	79·0	79·2
	7	85·8	83·6	82·0	80·2	80·6	80·2	80·4	78·9	78·8	78·5	78·8	79·2
	8												
	9	84·0	82·5	80·5	79·3	79·2	79·6	79·9	79·3	79·8	78.1	78·7	79·0
	10	85·2	83·2	82·0	80·0	80·1	79·0	79·8	80·0	79·5	79·8	79·8	79·9
	11	86·6	84·5	82·0	81·0	81·0	80·5	80·2	80·3	80·2	80·2	80·2	80·1
	12	81·0	76·9	76·2	78·0	78·3	78·4	79·2	79·0	78·0	79·8	79·0	79·2
	13	84·9	79·2	79·2	79·2	79·2	79·4	79·5	79·6	79·7	79·8	79·7	79·8
	14	84·4	80·5	81·0	79·0	79·5	79·7	79·6	78·5	79·0	79·4	79·3	79·2
	15												
	16	80·2	80·0	76·3	77·5	76·5	77·0	77·0	78·1	78·5	78·5	78·7	78·0
	17	82·1	82·0	80·0	79·2	79·2	79·0	79·0	78·7	75·5	76·4	77·4	77·6
	18	84·0	81·8	81·0	80·0	77·0	78·9	79·4	79·0	75·0	78·0	77·7	79·0
	19	82·8	82·2	79·0	80·0	80·0	80·3	79·4	77·1	77·9	79·0	79·0	79·9
	20	83·1	81·0	79·0	80·0	80·0	80·0	80·2	80·0	80·0	79·0	75·6	77·2
	21	86·4	84·0	82·0	81·0	80·2	80·5	80·2	80·1	80·1	80·0	80·0	79·8
	22												
	23	81·9	80·0	79·3	79·0	79·0	79·0	79·0	78·4	78·1	78·5	77·9	77·7
	24	85·0	83·0	80·2	78.0	78·0	78·2	79·0	78·3	78·2	79·0	78·0	78·2
	25	85·6	84·0	81·5	80·3	80·0	79·5	79·0	78·6	78·8	78·7	78·3	78·5
	26	86·6	84·2	82·0	80·0	80·0	79·0	79·0	79·3	79·3	78·5	78·3	78·3
	27	84·0	82·0	80·5	80·0	80·0	79·8	79·8	79·7	79·5	78·9	79·0	78·8
	28	85·0	78·7	79·3	78·2	79·2	79·6	79·3	79·2	79·1	79·3	—	—
	29	—	—	—	—	—	—	—	—	—	—	78·4	78·4
	30												
	31	84·2	82·8	80·5	80·0	79·0	79·1	79·0	79·0	79·0	79·0	78·3	77·0

THERMOMETER ON THE SURFACE OF THE GROUND.

Date. Göttingen Mean Time.		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
JULY 1846.	1	81°·2	80°·2	81°·0	81°·0	82·0	82°·8	83°·0	83°·2	79°·0	78°·7	80°·6	81°·0
	2	80·6	79·8	80·5	80·3	75·0	78.5	77·7	81.5	84.0	80.3	82·2	83·4
	3	80·4	80·0	81·0	83·5	85·5	87·0	87·4	88·0	82.0	86·4	87·0	86·6
	4												
	5	79·2	79·4	79·7	82·3	85·4	86·5	88·0	89·2	90.0	89·0	91·6	90.9
	6	80·5	80·2	81·3	83·5	83·3	81·4	85·8	87·4	89.0	90·2	91·2	89·5
	7	80·0	77·8	79·5	82·0	84.0	85·8	86·6	91·0	90·0	90.9	92·6	90·6
	8	80·4	80·0	80·5	83·2	85·5	90·8	89·8	91·0	92·0	93·0	92·7	92·0
	9	80·5	80·2	80·8	83·0	86·2	89·0	89·3	90·9	92·5	93.5	92·1	92·6
	10	81·2	81·0	81·2	85·0	88.2	89·8	89·2	91·4	92·2	93·5	92·0	92·6
	11												
	12	82·4	82·0	79·9	80·0	83·4	80·1	82·4	86·9	87·3	86·4	85·4	86·8
	13	76·3	77·0	77·5	78·9	80·9	81·0	83·0	84·5	82·6	82·6	86·0	86·4
	14	79·4	79·2	79·6	82·2	85.0	87·3	87·8	82·0	86·2	85·2	83·0	84·9
	15	77·8	76·2	78·2	77·5	78·0	80·1	83·0	83·0	85·9	88·2	84·2	77·2
	16	76·3	77·2	77·2	77·0	80·0	76·6	79·4	77·7	78·0	79·1	75·5	76·4
	17	78·0	77·8	77·9	[illegible]	77·0	76·2	78·5	80·0	82·0	82·9	77·1	76·5
	18												
	19	76·8	77·0	77·5	76.4	77·0	77·0	80·0	80.0	80·2	80.4	76.8	75·8
	20	76·2	75·0	77·0	77·5	77·0	76·0	77·0	78·0	77·0	74·8	78.3	78·4
	21	77·2	78·0	76·0	77·2	77·2	78·0	79·0	77·0	80·8	78·7	78·9	82·0
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	79·0	79·0	78·0	78·9	79.9	80·8	82.0	77.2	77·0	78.0	76·8	76·0
	24	78·9	78·0	78·8	78·2	78·3	77·3	77·0	77.0	76·8	76·5	77·3	78·4
	25												
	26	79·0	77·5	77·0	79·0	80·4	78·3	81·0	83·0	84·0	84·0	83.7	81.8
	27	79·0	79·0	79·2	80·0	81·0	82·9	83·0	86.0	85·5	84·5	82·7	82·4
	28	78.4	78·5	78·4	79·0	76·0	80·0	76·5	78·0	80·1	80·0	82.8	82·0
	29	79·2	79·0	79·4	77·3	80·2	81·1	82.0	80·0	78·8	82·0	77·9	80·0
	30	79·0	77·0	78·8	80·2	82·8	78·7	79·7	84·4	84·0	84.0	83·4	84·5
	31	79·0	75·0	76·9	78·5	79.7	82·2	78·3	79·0	82·6	78·0	83·0	77·0

THERMOMETER ON THE SURFACE OF THE GROUND.

Date. Göttingen Mean Time.		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
AUGUST, 1846.	1												
	2	78°·2	78°·1	78°·0	79°·5	84°·2	83°·9	88°·8	87°·0	87°·9	89°·4	90°·0	87°·5
	3	78·7	79·0	79·0	80·8	85·0	86·0	86·1	87·2	87·7	88·8	89·0	87·7
	4	78·9	78·4	77·4	80·0	82·2	86·0	86·1	80·7	81·0	86·0	86·7	85·8
	5	78·0	78·0	79·0	80·4	81·2	83·8	85·9	86·0	88·0	89·0	89·6	88·0
	6	79·2	79·3	79·1	78·6	81·9	83·0	84·5	86·0	84·0	85·5	87·0	89·0
	7	79·3	79·2	79·3	79·9	82·0	83·9	85·2	85·7	87·1	86·0	86·5	83·0
	8												
	9	79.2	77·5	78·8	80·8	81·5	84·1	84·4	87·5	84·6	88·3	83·0	89·2
	10	79·7	78·9	79·2	81·2	84·4	86·9	84·6	88·7	91·0	91·0	87·8	88·6
	11	80·0	80·0	80·2	78·2	77·1	83·5	84·0	85·7	85·7	88·0	88·3	82·2
	12	76·0	77·5	78·0	79·0	75·5	81·5	84·3	85·0	86·0	88·2	86·6	86·6
	13	79·6	79·2	79.4	80·4	83·0	83·9	85·2	87·5	88·1	88·0	88·6	86·8
	14	78·9	78 5	76·3	76·4	80·2	80·2	80·8	84·0	77·5	79 6	81·0	82·7
	15												
	16	78·6	78·2	78·5	79·4	83·2	84·7	81·5	83·7	86·6	77·8	79.0	81·7
	17	76 8	77·3	77·5	78·5	82·0	79·8	82·0	79·4	82·7	85·0	85·0	85·6
	18	78·2	79·0	79·4	76·5	80·0	81·2	82·2	86·8	85·3	77·9	82·6	81·9
	19	76·6	78·2	78·5	80·0	82·4	83·8	83·9	86·1	84·0	87·8	87·0	86·0
	20	78.0	77·5	79·0	79·2	81·0	83·0	84·5	88·5	79·7	84·4	87·9	87·2
	21	79.9	78·1	79·0	81·0	81·0	84·6	79·5	83·1	84·8	87·4	87·7	89·0
	22												
	23	78·1	78·0	78·5	80·0	77·0	79·0	82·7	85·7	86·2	87·4	86·8	85·5
	24	78·2	77·2	77·0	78·0	81·0	85·0	85·8	85·8	87·0	87·2	86·8	87·5
	25	77·9	78·0	77·5	80·5	83·2	86·4	86·4	87·0	88·0	88·2	88·0	87·9
	26	78·2	78·0	79·0	79·0	82·0	85·0	81·8	85·3	83·2	83·9	86·4	84·2
	27	78·2	79·0	79·0	80·5	83·0	86·8	86·6	80·0	85·1	86·4	87·1	86·0
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	77·8	77·9	78·0	80·0	84.2	86·6	85·7	86·0	84·8	83·9	81·1	82·4
	30												
	31	78·0	78·2	78·8	79·2	82·8	85·0	81·5	86·6	87·8	89·4	89·0	86·4

Date. Göttingen Mean Time.		THERMOMETER ON THE SURFACE OF THE GROUND.											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
SEPTEMBER, 1846.	1	83·8	82°·2	80°·0	79°·2	80°·0	79°·7	75·3	77°·0	77°·6	77°·8	77·8	77°·8
	2	85·2	83·0	79·0	80·0	80·8	80·4	80·0	79·3	79·6	79·8	79·3	79·0
	3	86·0	82·5	81·0	80·0	80·2	79·9	79·4	79·3	79·3	79·4	76·9	77·0
	4	86·0	83·2	81·5	80·8	80·5	80·3	80·2	80·0	79·6	79·7	79·0	78·6
	5												
	6	84·5	82·0	79·5	77·0	78·0	79·0	77·8	78·0	77·8	78·0	77·9	77·5
	7	84·2	83·0	81·0	80·0	79·9	79·6	79·5	78·0	79·0	78·0	78·0	78·6
	8	85·0	82·5	81·2	81·0	80·0	80·3	80·0	80·0	79·8	79·5	79·4	78·2
	9	82·9	81·4	80·2	80·0	79·5	79·8	74·4	79·2	74·0	77·0	77·0	77·3
	10	82·2	80·0	78·5	76·0	75·8	76·1	75·3	76·2	77·0	77·4	77·9	78·4
	11	80·5	81·2	80·3	79·5	79·2	79·4	79·6	79·3	79·1	79·4	79·1	79·0
	12												
	13	84·3	82·5	81·2	81·0	80·5	80·5	80·6	80·3	79·5	79·0	79·2	79·4
	14	84·0	82·2	80·4	80·0	80·2	80·0	79·1	79·0	78·1	73·9	79·0	79·4
	15	83·9	79·5	79·0	79·0	79·0	79·3	78·7	76·3	77·3	77·7	76·2	77·5
	16	81·4	80·5	80·5	80·0	79·0	79·2	79·8	77·5	79·3	78·8	79·0	79·6
	17	75·0	77·0	77·3	78·0	78·0	78·0	75·0	80·4	77·5	77·9	78·0	77·9
	18	83·5	82·3	80·6	77·5	79·3	79·7	79·6	79·5	79·6	79·4	75·7	75·2
	19												
	20	75·5	79·0	76·0	76·5	77·0	76·0	74·0	74·0	75·0	75·6	76·0	76·2
	21	78·4	75·0	74·0	74·9	75·0	75·0	75·0	76 0	76·0	75·7	75·7	75·9
	22	82·0	80·0	78·5	78·3	77·0	77·3	77·0	76·0	76·1	76·0	76.2	76·9
	23	82·8	81·0	79·0	79·0	78·5	78·0	77·5	78·0	77·0	76·6	77·2	—
	24	—	—	—	—	—	—	—	—	—	—	77·2	76·3
	25	84·0	82·4	79·5	78·2	78·0	77·5	76·5	76·0	75·2	75·8	76·4	77·0
	26												
	27	84·0	81·5	80·0	79·3	79·2	78·0	77·0	76·8	77·1	76·5	77·2	77·0
	28	84·0	82·8	81·2	80·5	80·0	79·5	79·2	78·8	78·0	77·0	76·0	75·3
	29	84·5	82·5	81·5	81·0	80·5	80·5	79·0	77·2	77·0	77·8	77·6	76·2
	30	85·0	82·5	80·8	80·2	79·8	79 5	79·4	79·3	79·0	78·4	76·1	76·5
	31												

Date. Göttingen Mean Time.		THERMOMETER ON THE SURFACE OF THE GROUND.											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
OCTOBER, 1846.	1	83°·7	82°·5	80°·8	80°·3	80°·0	79°·6	79°·2	78°·6	76°·6	76°·0	75°·0	76°·0
	2	84 0	82·2	80·2	79·8	79·4	78·7	77·2	76·7	75·8	76·3	76·2	74·8
	3												
	4	84·0	83·0	81·4	81·0	80·2	78·5	78·0	77.7	77·4	78·0	78·2	78·0
	5	86·0	84·0	83·0	82·8	80 5	81·2	80·7	70·2	70·0	79·8	79·6	79·0
	6	85·9	84·4	81·5	80·0	79·9	80·0	79·8	79·6	79·2	79·2	79·0	79·5
	7	87·2	86·5	81·8	80·4	80·4	79·9	79·8	79·0	78·9	78·7	79·0	78·2
	8	85·0	85·0	83·0	82·5	76·0	76·0	75·2	74·0	76·5	76·4	76 0	76·0
	9	83·2	83·0	81·8	80·0	78·0	76·9	76·6	77·2	77·5	77·8	81·0	78·0
	10												
	11	85·0	84·0	82·5	82·0	81·5	79·8	78·7	78·7	78·0	77·2	79·6	77·0
	12	86·0	85·0	83·5	82·8	82·4	81·5	81·0	78·0	77·3	76·8	76·3	74·5
	13	86·0	84·5	83·0	82·5	82·0	80·0	77·8	76·0	75·5	76·8	75·3	74·0
	14	85·7	84·0	82·2	81·5	80·5	79·1	77·0	76·8	76·1	76·0	75·6	75·0
	15	88·0	86·2	84·2	84·2	83·2	82·5	82·4	81·0	79·5	79·6	79·0	81·3
	16	86·0	84·5	83·5	83·5	83·0	82·0	82·0	81·0	80·2	79·6	81·0	80·9
	17												
	18	86 5	85 5	84·4	83·5	83 0	82·1	81·1	81·0	79·9	79·2	79·4	79·4
	19	86·6	85·0	84·3	83·3	82·8	82·5	81·1	80·0	78·4	79·6	79·2	76·8
	20	86·8	85·0	83·5	83·0	82·4	80·0	78·8	77·2	77·4	77·0	77·0	78·0
	21	87·0	84·5	83·0	82·4	81·9	79·4	77·0	78·0	77·3	78·0	77·8	—
	22	—	—	—	—	—	—	—	—	—	—	74·8	74·4
	23	84·8	83·5	81·8	79·0	78·0	77·9	78·0	77·6	77·5	76·6	77·6	77·0
	24												
	25	83·9	82 3	81·0	80·3	80·0	79·7	79·4	79·2	79·4	79·2	77·0	76·4
	26	83·6	81·5	81·0	80·2	80·0	79·7	79·3	79·1	79·0	79·0	76·9	76·6
	27	83·0	81·3	80·2	80·0	79·5	79·4	79·1	78·6	77·1	76 0	75·7	75·0
	28	84·0	82·0	80·8	80.8	80·6	79·5	78·0	77·0	76·1	76·8	78·2	77·2
	29	84·5	82·4	80·8	80·2	80 0	78·9	77·7	76·0	74·2	76·5	75·5	75·0
	30	84·0	82·0	81·0	80·2	80·0	79·4	77·1	75·6	75 8	74·4	74·9	73·8
	31												

THERMOMETER ON THE SURFACE OF THE GROUND.

Date. Göttingen Mean Time.		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
SEPTEMBER, 1846.	1	77°·6	77°·5	78°·8	78°·8	81°·5	84°·3	85°·6	79°·8	86°·1	87°·5	87°·4	87°·8
	2	78·9	78·0	78·3	79·0	83·0	85·5	87·3	88·2	88·4	86·8	88·5	87·2
	3	77·6	77 9	78·0	79·5	82·0	81·8	84·8	86·7	88·0	86·6	88·4	87·0
	4	78·1	77 8	77·3	79·0	83·5	86·5	88·3	83·0	82·0	88·8	87·8	87·4
	5												
	6	77·9	78·0	78·0	78·8	81·3	84·5	84·0	86·8	87·8	89·2	89·2	87·3
	7	78·9	78·0	79·0	80·5	81·2	83·3	86·0	84·8	86·3	88·4	88·7	86·0
	8	78·2	78·5	78·8	80·0	83·0	87·6	87·4	86·9	89·0	89·7	86·5	86·4
	9	77·8	78·0	78·0	78·0	76·0	79·3	80·4	82·3	83·6	83·6	82·8	83·0
	10	78·4	78·2	78·9	79·0	80·5	84·0	77·5	85·0	86·0	86·4	86·0	80·6
	11	78·8	78·2	78·0	76·2	79·9	84·5	82·2	84·4	85·5	84·6	85·4	84·8
	12												
	13	79·0	79·2	79·5	80·5	81·9	83·8	84·0	86·3	85·9	85·0	86·9	87·4
	14	79·6	79·3	79·5	80·5	83·4	85·5	86·1	85·1	87·7	88·6	87·8	88·8
	15	78·1	78·0	79·0	80·4	81·4	82·4	84·0	84·5	83·6	84·0	80·6	80·7
	16	79·6	79·2	79·5	80·4	81·0	81·2	81·0	80·5	80·5	78·5	75·8	75·0
	17	78·0	77·0	76·3	79·0	79·0	81·5	83·0	86·0	84·2	84·6	85·0	85·2
	18	76·5	77·2	78·0	80·0	82·9	79·8	85·8	86·0	87·8	81·8	83·2	83·2
	19												
	20	77·0	76·5	76·5	78·2	72·5	77·2	80·5	74·2	76·5	79·4	77·6	79·0
	21	76·0	75·0	75·5	79·0	76·0	78·5	81·5	85·2	85·0	85 3	85·7	85·5
	22	76·0	75·0	75·4	78·8	79·8	85·5	86·3	89·0	85·2	83·8	84·0	83·6
	23	—	77·0	76·5	78 5	—	—	—	—	—	—	—	—
	24	76·2	77 0	76·5	78·5	82·0	85·6	87·5	87·9	87·8	88·8	87·6	86·0
	25	76·8	76·2	76·5	78·4	81·2	86·0	87·3	87·4	86·0	86·6	86·1	84·8
	26												
	27	78 0	77·0	76·3	78 2	81·2	86·7	87·0	86·4	86·7	86·6	86·7	85·0
	28	75·3	76·5	76·2	78·2	82·8	88·0	87·5	86·9	86·5	86·6	86·9	86·0
	29	76·8	77·0	77·0	79·2	82·5	84·2	83·4	85·0	86·0	87·4	87·1	84·7
	30	76·7	75·8	75·4	78·8	84·5	88·5	87·2	87·9	86·3	86·6	86·6	85·6
	31												

THERMOMETER ON THE SURFACE OF THE GROUND.

Date. Göttingen Mean Time.		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
OCTOBER, 1846.	1	75°·8	75°·5	75°·5	78°·5	83°·0	88°·0	86°·0	85°·5	86°·0	86°·4	86°·4	85°·2
	2	71·6	74·0	74·5	78·0	85·0	88·3	88·1	86·0	86·5	86·3	85·8	85·5
	3												
	4	78·2	78·0	77·9	81·4	86·0	89·5	88·0	87·0	87·5	87·9	88·5	86·2
	5	79·2	79·5	78·1	78·4	82·5	87·6	91·3	91·7	96·0	91·0	88·0	88·0
	6	79·6	79·5	79·4	81·2	86·8	91·3	88·2	89·7	93·1	91·4	89·6	88·6
	7	78·6	79·5	79·0	81·3	83·0	87·6	88·0	88·8	88·7	89·4	88·6	87·6
	8	76·8	76·2	76·5	78·0	80·5	85·5	87·1	86·4	86·2	85·4	86·1	84·6
	9	78·6	78·0	78·5	79·2	81·0	84·5	87·6	93·0	89·2	88·8	87·2	85·7
	10												
	11	77·0	77·9	77·5	80·0	84·0	88·2	87·2	88·2	87·0	89·2	88·9	87·0
	12	74·3	75·0	75·5	77·5	82·0	87·0	87·6	88·0	89·8	92·6	89·6	87·4
	13	72·9	73·0	73·2	76·5	82·3	86·6	88·2	89·1	89·2	87·6	89·6	87·0
	14	75·9	75·0	76·4	79·5	84·8	88·7	89·0	89·7	93·0	91·0	92·6	90·4
	15	80·6	80·2	80·5	82·0	83·0	85·0	87·3	92·2	94·0	101·0	89·7	87·9
	16	79·2	78·0	80·4	82·2	83·5	89·3	91·7	92·0	92·3	89·8	91·0	88·6
	17												
	18	79·0	78·5	78·5	81·2	87·5	91·3	89·2	87·5	88·5	88·6	89·7	87·6
	19	77·0	76·4	76·0	80·0	85·5	89·2	89·0	92·8	89·2	88·6	90·7	88·0
	20	77·0	76·0	75·5	79·4	86·0	90·5	91·8	94·0	94·0	91·4	91·0	88·7
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	72·2	71·0	72·0	77·0	84·0	87·4	87·7	90·0	90·8	90·0	88·8	86·5
	23	77·0	77·2	77·0	79·4	83·0	88·0	91·0	90·0	89·3	88·6	89·7	86·4
	24												
	25	77·0	76·0	76·0	79·2	84·5	88·4	85·1	85·5	86·6	86·8	87·0	84·9
	26	76·9	75·4	76·0	79·0	84·0	85·0	85·0	85·1	86·0	86·6	87·0	84·3
	27	75·0	74·5	75·0	78 0	81·5	85·6	85·8	85·8	87·1	86·4	86·9	86·9
	28	78·0	76·5	75·3	77·0	83·5	87·0	89·1	86·6	87·3	87·0	88·4	85·6
	29	75·6	74·5	75·5	78·0	81·5	87·0	91·0	88·6	86·8	86·8	87·5	84·9
	30	71·4	71·0	72·0	75·0	83·0	87·2	89·5	90·0	88·8	86·5	87·0	84·6
	31												

THERMOMETER ON THE SURFACE OF THE GROUND.

Date. Göttingen Mean Time.		Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
NOVEMBER, 1846.	1	83°·0	81°·4	80°·0	80°·0	79°·0	78°·3	77·6	75°·7	74°·8	74°·4	75°·0	75°·0
	2	88·2	85·4	83·0	82·3	81·0	79·5	79·9	79·0	79·0	78·0	77 0	76·9
	3	85·2	83·0	81·5	81·0	79·8	78·7	78·6	78·0	78·1	77·8	76·4	76·2
	4	84·6	83·0	81·0	80·0	79·0	79·1	77·7	77·6	77·2	77·8	77·6	76·8
	5	83·0	81·5	80·0	79·4	79·1	79·0	78 0	76·6	77·7	77·9	77·0	77·6
	6	82·2	81·2	80·3	80·0	80·0	79·3	78·4	77·5	78·4	78·6	79·0	78·0
	7												
	8	85·0	82·2	81·0	80·0	79·2	79·0	74·9	74·0	73·3	72·4	71·6	73·0
	9	84·0	81·5	80·0	79·3	78·5	77·0	75·0	72·0	73·9	74·0	73·8	72·8
	10	84·0	81·7	79·9	78·8	78·0	77·0	76·0	74·7	71·2	70·8	70·2	70·6
	11	83·6	82·0	80·2	79·0	78·0	77·0	74·2	72·2	73·7	72·8	72·4	71·8
	12	84·6	82·0	81·0	80·0	79·2	77·0	72·3	73·5	73·3	73·6	73·2	72·5
	13	86·0	82·4	80·5	79·5	79·0	77·0	74·0	73·0	75·1	74·0	73·8	73·6
	14												
	15	83·0	80·5	79·0	78·3	78·0	77·9	75·8	73·9	72·5	72·8	71·8	72 2
	16	83·0	81·0	79·2	78·0	77·2	76·0	72·5	71·4	73·0	69·8	71·2	70·3
	17	81·5	79·2	78·0	77·0	76·5	73·6	73·0	71·6	71·8	69·5	70·0	70·8
	18	84·4	80·5	78.2	77·3	76·5	75 0	74·6	73·0	70·2	71·0	70·7	70·2
	19	82·0	79·3	78·0	77·2	77·0	74·4	72·5	72·5	72·0	70·7	70·0	70·3
	20	81·9	79·0	77·3	76·8	76·2	74·2	71·1	72·0	70·9	70·2	70·0	71·2
	21												
	22	83·0	80·0	77·5	76·8	76·3	75·0	73·0	70·5	68·8	69·4	69·6	69·0
	23	82·4	79·3	77·2	76·5	76·0	75·0	73·5	71·4	70 2	71·0	70·8	70·0
	24	82·0	79·0	77·2	76·5	76·0	73·7	71·0	70·6	68·0	70·3	69·8	69·9
	25	80·8	78·2	77·0	76·0	75·5	73·5	69·0	69·0	67·0	70·0	68·9	68·4
	26	81·2	79·0	77·5	77·2	77·0	76·2	74·5	73·0	74·8	74·9	76·5	76·4
	27	83·0	80·8	80·0	80·0	80·0	79·0	78·4	78·0	76·0	75·0	75·0	—
	28	—	—	—	—	—	—	—	—	—	—	75·9	75·9
	29												
	30	83·5	82·3	81·0	80·2	80·0	80·1	79·2	79·0	79·4	79·0	78·0	77 2
	31												

THERMOMETER ON THE SURFACE OF THE GROUND.

Date. Göttingen Mean Time.		Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
DECEMBER, 1846.	1	84°·0	82°·0	80°·2	79°·0	79°·0	77°·3	75°·5	76°·5	75°·1	74°·0	74°·0	72·8
	2	83·3	80·8	79·0	79·0	79·0	77·0	76·4	74·2	74·3	72·4	72·4	70·6
	3	82·0	80·3	79·0	78·5	77·2	74·9	72·8	73·0	71·2	71 6	69·9	71·6
	4	82·3	80·0	78·0	77·0	77·0	75·0	73·0	71·0	70·0	72·2	72·0	72·0
	5												
	6	79·4	77·2	75·5	75·0	74·8	73·0	71·0	67·0	70·0	70·0	68·0	67·5
	7	79·3	77·0	76·0	75 4	75·2	74·6	73 0	71·8	70·5	70·3	70·0	68·9
	8	83·8	81·5	80·0	79·3	78·2	77·0	78·0	78·5	78·0	77·8	76·8	75·8
	9	82·8	80·4	79·0	79·0	78·5	77·9	77·4	75·5	75·4	74·5	75·5	75·4
	10	81·8	80·0	79·0	79·0	78·2	78 0	76·0	74·4	75·0	74 8	73·8	74·0
	11	82·0	79·5	78·3	78·0	77·3	77·0	76·4	75·0	75 0	75·3	74·8	74·3
	12												
	13	81·5	79·3	78·0	77·0	76·5	75·5	73·0	72·0	71·5	71·0	70·2	68·8
	14	81·0	79·5	78·1	77·9	77·3	77·0	75·0	73·5	75·0	74·6	73·4	72·6
	15	80·8	79·0	77·2	76·8	74·5	73·0	74·6	74·6	74·3	74·0	73·0	72·0
	16	82·5	80·2	79·0	78·0	76·5	74·7	72·6	72·5	74·4	73·4	74·4	73·7
	17	81·6	79·0	77 2	77·0	76·4	76·4	76·4	76·1	75·0	74·0	74·8	74·5
	18	81 9	80·0	78 0	77·2	76·0	74·7	76·0	76·6	75·0	77·2	74·4	74·4
	19												
	20	82·0	79·2	77·0	76·4	76·4	74·5	77·3	74·0	73 0	72·2	72·2	71·9
	21	81·0	79·0	77·2	77·0	76·5	75·0	73·8	73·5	73·1	72·5	72·5	72·0
	22	81·4	79·4	77·5	77·2	76·9	76·2	75·0	74·4	71·0	69·6	71·7	71·8
	23	80·5	78·0	76·0	75·0	74·8	74·0	70·5	68·0	67·0	66·5	68·4	—
	24	—	—	—	—	—	—	—	—	—	—	65·8	63·6
	25	80·0	78·0	76·0	75·3	74·2	71·0	69·0	67·5	66·0	64·6	64·0	63·8
	26												
	27	80·4	78·5	76·4	75·4	74·3	70·6	69·7	69·2	67·7	68·0	67·0	65·6
	28	82·3	81·0	77·3	77·0	75·8	75·2	70·0	68·2	67·5	66·4	66·2	68·0
	29	81·8	79·5	77·3	76·5	76·0	75·4	74·0	73·0	71·0	68·4	67·9	69·8
	30	84·4	81·9	79·0	76 5	76·5	76·4	73·8	71·7	72·4	71·6	72·2	71·6
	31	84·0	81·2	78·2	77·2	76·6	76·6	73·7	71·6	70·9	71·1	72·0	72·0

Date. Göttingen Mean Time.		THERMOMETER ON THE SURFACE OF THE GROUND.											
		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
NOVEMBER, 1846.	1	75°·0	74°·2	74°·3	78°·5	84°·2	87°·6	88°·8	92°·8	93°·5	92°·5	93°·5	91°·0
	2	76·5	75·5	76·4	79·2	84·0	87·0	89·0	88·3	89·2	89·7	89·3	86·4
	3	75·8	75·2	75·8	80·0	84·0	88·0	88·5	89·2	87·9	88·0	88·6	86·4
	4	75·4	74·5	74·0	77·8	82·2	88·0	89·0	89·5	86·0	86·8	87·6	84·6
	5	77·3	76·2	75·0	77·0	81·4	86·5	89·0	85·6	85·0	85·0	85·0	83·4
	6	77·8	77·0	77·0	79·5	84·2	88·5	89·3	86·3	85·8	86·1	86·4	84·4
	7												
	8	72·6	72·2	71·3	75·0	81·5	85·5	88·5	88·5	90·5	90·4	88·0	86·0
	9	73·0	72·0	72·0	75·5	81·5	86·5	89·4	90·5	92·5	94·0	90·5	86·6
	10	71·0	71·5	71·0	75·0	82·0	85·8	87·9	88·0	92·8	88·4	86·6	85·2
	11	72·4	72·0	72·0	78·5	81·5	85·0	85·8	89·2	91·0	93·8	97·0	88·4
	12	70·4	72·2	70·4	74·5	81·5	87·3	89·0	88·0	92·0	92·8	90·8	87·7
	13	72·6	72·0	72·2	75·5	83·5	85·6	89·5	90·4	94·0	89·6	91·0	87·0
	14												
	15	70·9	70·5	70·3	74·0	79·3	84·2	86 5	91·0	89·0	91·9	97·0	84·4
	16	70·0	68·5	69·5	71·2	78·0	82·8	86·5	89·0	89·5	86·6	85·8	83·0
	17	69·2	69·5	69·2	72·5	79·3	85·0	87·0	81·7	89·5	90·6	93·0	87·3
	18	69·6	69·3	69·0	71·5	78·4	83·7	85·0	84·4	86·7	89·0	88·0	83 5
	19	71·0	69·0	69·3	71·2	77·2	82·0	86·0	91·6	88·5	83·6	84·6	82·2
	20	70·1	—	70·5	72·0	78·0	81·9	86·9	87·8	84·0	83·4	83·8	81·8
	21												
	22	70·4	71·0	71·0	73·0	80·3	83·5	87·5	87·6	89·5	91·0	86·7	84·0
	23	70·0	69·2	69·0	71·0	77·3	83·4	87·0	86·8	88·2	89·8	92·0	84·5
	24	70·0	69·0	68·3	71·0	77·5	83·0	87·5	92·0	91·0	88·6	83·3	82·0
	25	67·4	66·5	67·5	69·0	76·0	81·6	85·0	91·0	89·6	89·0	83·0	82·4
	26	75·7	74·5	74·4	75·5	81·0	86·5	93·8	95·2	94·5	90·8	87·0	84·0
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	75·4	74·4	75·2	76·3	82·0	86·0	90·2	86·0	85·6	85·5	84·8	84·5
	29												
	30	75·2	74·3	75·0	77·2	82·0	85·0	91·8	97·0	92·7	87·6	87·0	86·0
	31												

Date. Göttingen Mean Time.		THERMOMETER ON THE SURFACE OF THE GROUND.											
		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
DECEMBER, 1846.	1	72°·8	71°·5	71°·0	74°·5	80°·0	83°·5	83°·5	86°·0	84°·5	85°·0	85°·0	84°·6
	2	73·4	72·0	70·5	72 8	79·5	85·0	87·7	85·5	85·0	84·4	84·0	83·0
	3	69·4	68·0	68·8	71·2	77·5	82·8	88·5	90·3	88·9	84·2	84·0	84·3
	4	71·5	71·2	71·2	73·0	80·0	85·0	89·0	90·9	88·0	89·7	89·0	84·4
	5												
	6	68·0	66·0	68·0	70·3	75·4	81·0	83·6	90·0	82·0	82·8	82·0	80·6
	7	70·0	71·0	72·2	73·2	79·0	84·2	89·5	94·0	89·5	86·5	86·0	84·8
	8	74·7	73·3	75·0	76·2	82·0	86·0	90·0	95·0	92·5	89·6	87·2	84·0
	9	74·0	73·3	73·0	75·0	81·0	85·2	91·2	89·6	84·3	84·8	84·0	82·8
	10	74·0	72·4	72·0	74·0	83·0	86·0	89·2	87·6	84·9	84·9	84·0	82·8
	11	73·8	74·0	72·5	73·5	78·0	82·0	81·5	83·0	83·0	83·4	82·4	81·5
	12												
	13	69·5	69·3	68·0	71·0	73·0	80·4	84·0	84·1	85·0	84·6	85·0	82·6
	14	71·6	71·0	70·1	72·2	76·0	84·6	86·5	84·5	82·5	83·6	83·0	82·6
	15	70·4	70·4	70·8	71·5	77·0	82·9	87·4	92·0	88·0	84·6	84·2	83·6
	16	72·3	71·2	71·0	71·5	78·0	83·0	87·1	92·0	88·2	87·6	85·6	83·3
	17	74·8	73·0	71·5	73·0	79·5	84·0	87·5	89·4	84·0	84·0	84·5	83·2
	18	72·2	70·2	71·5	73·2	78·0	83·9	86·8	92·0	90·0	94·4	96·6	92·0
	19												
	20	70 9	70·4	69·0	70·5	75·2	79·5	81·3	82·6	83·0	82·5	83·0	82·9
	21	69·6	71·2	70·0	70·0	77·2	82·0	88·0	92·0	89·0	90·8	85·1	83·4
	22	70·8	69·4	70·2	69·5	76·5	81·3	86·5	88·5	90·9	84·4	83·2	82·0
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	64·1	62·0	65·8	66·5	76·5	78.1	82·8	88·2	88·3	81·0	81·5	81·8
	25	65·7	65·2	65·2	66·5	72·0	76·7	81·6	87·2	88·0	83·0	82·0	81·7
	26												
	27	65·4	68·0	68·0	68·0	74·0	78·6	86·4	88·0	92·0	92·0	89·0	84·9
	28	68·6	69·3	68·0	70·0	75·4	80·0	87·0	91·2	86·2	89·0	84·6	83·8
	29	70·0	70·0	69·3	71·4	79·5	84·5	87·3	92·0	88·8	90·0	92·0	95·0
	30	71·5	72·0	71·9	73.3	77·4	82·2	88·0	92·6	90·0	89·8	91·0	87·0
	31	71·5	72·0	72·0	72·4	78·0	83·6	88·0	90·0	—	—	—	—

THERMOMETER IN THE GROUND, SIX INCHES BELOW THE SURFACE.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
JANUARY, 1846.	1												
	2												
	3												
	4	82°·4	82·2	82°·0	81°·8	81·4	81°·0	80°·3	80°·0	79·7	79°·7	79°·2	78°·8
	5	81·5	81·3	81·2	80·9	80·7	80·3	80·0	79·7	79·2	78·9	78·4	78·0
	6	80·7	80·7	80·4	80·1	79·9	79·5	79·2	78·9	78·5	78·2	77·7	77·3
	7	80·5	80·4	80·1	79·9	79·7	79·3	78·7	78·4	77·9	77·7	77·5	76·8
	8	81·2	81·0	80·7	80·3	80·0	79·4	79·0	78·6	78·0	77·7	77·3	76·9
	9	80 2	80·0	79·8	79·4	79 2	78·8	78·5	77·8	77·3	76·7	76·3	75·8
	10												
	11	80·0	80·0	79·8	79·6	79·5	79·2	78·8	78·3	78·2	77·9	77·6	77·2
	12	80·3	80·2	80·0	77·7	79·5	79·3	79·1	78·7	78·2	77·8	77·6	77·2
	13	81·0	80·7	80·5	80·3	80·0	79·8	79·5	79·0	78·6	78·4	78·0	77·6
	14	82·3	82·6	82·1	81·7	81·3	80 8	80·4	80·0	80·8	79·4	79·1	78·8
	15												
	16	—	80·0	80·2	79·7	79·7	79·5	79·2	79·1	78·9	78·8	78·6	78·3
	17												
	18	84·2	83·5	82·8	82·4	82·0	81·5	80·8	80·2	79·8	79·2	79·0	78·4
	19	83·4	82·7	82·1	81·8	81·5	81·0	80·5	80·0	79·4	78·9	78·5	78·0
	20	82·9	82·3	81·8	81·5	81·0	80·7	80·2	79·8	79·5	79·3	79·0	78·6
	21	81·8	80·8	80·2	80·0	79·7	79·4	78·9	78·7	78·4	78·2	77·8	77·3
	22	81·0	80·5	80·2	79·8	79·5	79·4	78·9	78·4	78·2	77·8	77·4	76·9
	23	81·5	81·0	80·7	80·2	80·0	79·7	79·2	78·6	78·2	77·7	77·0	76·8
	24												
	25	80·6	80·2	79·2	79·2	70·9	78·8	78·5	78·1	77·6	77·1	76·8	76·4
	26	80·9	80·2	79·7	79·3	79·0	78·9	78·5	78·1	77·4	77·0	76·7	76·5
	27	79·3	79·0	78·5	78·1	77·9	77·8	77·3	77·0	76·8	76·2	75 8	75·5
	28	80·4	80·0	79·4	79·0	78·8	78·5	78·1	77·5	76·8	76·4	76·0	75·7
	29	80·8	80·3	79·8	79·4	79·2	78·6	78·0	77·6	77·5	76·9	76·5	76·1
	30	80·7	80·2	79·8	79·3	79·0	78·7	78·5	77·8	77·4	77·0	76·4	76·0
	31												

THERMOMETER IN THE GROUND, SIX INCHES BELOW THE SURFACE.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
FEBRUARY, 1846.	1	84·2	83°·5	82°·8	82°·2	81°·7	81°·2	80°·8	80°·4	80·0	79°·6	79°·3	78°·8
	2	86·8	86·0	85·0	84·3	83·7	83·0	82·3	81·8	81·1	80·5	79·8	79·5
	3	83·8	83·3	82·7	82·1	81·7	81·2	80·6	79·9	79·3	78·8	78·3	78·0
	4	84·3	83·7	83·2	82·7	82·2	81·8	81·3	80·7	80·0	79·3	78·9	78 5
	6	83·8	83·3	82·8	82·3	82·0	81·6	81·0	80·3	79·6	79·1	79·1	79·2
	6	85·8	85·3	84·7	84·0	83·5	83·0	82·2	81·7	81·0	80·5	80·3	80·1
	7												
	8	84·8	84·7	84·0	83·5	83·2	82·8	82·2	81 8	81·5	81·1	80 7	80·0
	9	83·5	83·0	82·7	82·0	81·7	81·4	81·0	80·4	80·1	79·8	79·6	79·1
	10	85·5	84·8	84·2	83·5	83·0	82·6	82·1	81·6	81·0	80·7	80·5	80·1
	11	84·5	84·0	83·4	82·8	82·4	82·0	81·6	81·2	80·8	80·5	80·2	79·8
	12	83·8	83·0	82·5	81·7	81·0	80·7	80·2	79·5	79·0	78·5	78·0	77·6
	13	83·3	82·8	82·2	81·5	80·9	80·5	80·0	79·6	78·8	78·2	77·7	77·2
	14												
	15	86 5	85·2	84·5	83·8	83·2	82·7	82·0	81·3	80·4	79·8	79·2	78·7
	16	87·6	86·5	85·7	85·1	84·7	84·2	83·6	83·1	82·7	82·0	81·7	81·4
	17	90·9	89·5	88·4	87·7	86·9	86·2	85·6	85·0	84·5	84·0	83·5	82·9
	18	88·7	88·0	87·0	86·5	86·0	85·5	85·0	84·3	83·8	83·4	82·9	82·3
	19	87·7	85·8	85·5	84·8	84·5	84·0	83·3	82·8	82·2	81·6	81·3	81·3
	20	85·0	84·3	83·8	83·2	83·0	82·7	82·0	81 7	81·0	80·5	79·9	79·4
	21												
	22	86·5	85·7	85·1	84·2	83·7	83·2	82·7	82·0	81·2	80·6	80·0	79·7
	23	85·0	84·5	84·0	83·5	83·0	82·7	82·2	81·9	81·4	81·0	80·7	80·2
	24	85·7	85·3	84·7	84·1	83·7	83·3	82·8	82·3	81·9	81·4	80·8	80·2
	25	86·2	85·5	84·8	84·2	83·6	83·0	82·6	82·0	81·4	80·8	80·3	80·0
	26	85·8	85·3	84·7	83·9	83·2	82·8	82·4	82·0	81·5	81·1	80·7	80·3
	27	87·1	86·5	85·8	84·9	84·2	83·7	83·1	82·7	82·1	81·7	—	—
	28	—	—	—	—	—	—	—	—	—	—	—	81·0
	29												
	30												
	31												

Date. Göttingen Mean Time.		THERMOMETER IN THE GROUND, SIX INCHES BELOW THE SURFACE.											
		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
JANUARY, 1846.	1												
	2												
	3												
	4	78°·4	78°·2	78°·1	77°·7	78°·0	78°·8	79°·5	79°·5	80°·5	81°·2	81°·3	81°·5
	5	77·7	77·6	77·3	77·0	77·0	77·7	78·5	79·3	79·5	80·2	80.4	80·8
	6	76·8	76·4	76·0	75·6	75·8	76.7	77·5	78·3	79·0	79·5	80·2	80·5
	7	76·4	75·8	75·4	74·8	75·3	76·3	77·0	78.0	79·0	80.1	80·8	81·2
	8	76·4	76 0	75·4	74·9	75·2	76·3	77·0	78·0	79·0	79·6	80.0	80·3
	9	75.4	74·8	74·3	73·8	74·4	75·5	76·2	76·7	77·5	78·1	78·7	79·1
	10												
	11	76·8	76·5	76·0	75.7	76.0	77·2	77·8	78·6	78·8	79.4	80·0	80·4
	12	76·9	76·7	76·5	75.7	76·2	77·2	77·8	78.7	79.6	80·1	80.5	81·1
	13	77 3	77·0	76·5	76·2	76·5	77·7	78·5	79·4	80·3	81.2	81·9	82·3
	14	78·5	78.0	77·5	77·2	77·3	78·1	79·2	79·8	80.7	81·7	82·6	83·5
	15												
	16	78.1	77·7	77·5	77·2	77·2	77·7	78·5	—	—	—	—	—
	17												
	18	78·0	77.5	77·1	76.6	77·8	80·2	81·9	82·2	83·1	83·9	84·3	84·9
	19	77·7	77·0	76·5	76·3	78.0	80·0	81·7	82·2	82.7	83·1	83·8	84·0
	20	78·3	77·7	77·1	76·8	78·4	80·6	81·7	81·0	80·8	80·8	81.4	81·7
	21	77·0	76·3	76·2	76·0	77·6	79·2	80·4	80·5	81·7	81·0	80·8	81·9
	22	76·3	75·8	75·3	75·2	77·0	78·7	79·3	79·4	81·7	82.6	81·4	82·7
	23	76·3	75·8	75·3	75·2	77·0	77·7	77·4	77·6	79·0	79·9	81·0	81·2
	24												
	25	76·1	75.7	75·5	75 3	76·2	76·3	77·2	78·1	79·8	80.8	81·7	81·9
	26	76·0	75·6	75·4	75·2	76·0	76·7	77·8	77·9	77·8	78·0	80·0	80·1
	27	75·0	74.5	74·0	73·3	75·4	77·8	79.3	79·6	79·5	79·5	81·2	81·2
	28	75·8	75·5	75·0	74·8	76·2	78·7	78·7	78.8	79·7	80·5	81·1	81.7
	29	75·5	75·4	74·8	74·7	75·9	78·0	78·5	80·2	80·5	79·9	81·7	82·1
	30	75.7	75·3	75·3	75·0	76·8	78·9	78·8	79·5	81.4	82·5	84·5	85·3
	31												

Date. Göttingen Mean Time.		THERMOMETER IN THE GROUND, SIX INCHES BELOW THE SURFACE.											
		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
FEBRUARY, 1846.	1	78°·6	78°·2	77°·8	77°·7	79°·2	80°·7	82°·5	83°·4	84°·3	86°·7	88°·7	89°·0
	2	79·2	78·7	78·2	78·0	79·5	81·4	82·9	84·0	83·4	84·3	85·0	84·9
	3	77·5	77·0	77·0	76·7	78·5	80·6	82·6	83·7	83·5	84·8	85·3	85·4
	4	77·8	77·2	77·0	76·6	78·7	81·0	82·5	83·2	83·8	84·8	85·3	84·8
	5	78·7	78·0	77·3	76·9	79·3	81·6	82·9	84·2	86·2	86·7	87·7	87·2
	6	79·5	78·8	78·5	78·2	79·9	81·8	83·6	84·8	86·6	90·0	87·4	87·0
	7												
	8	79 5	79·1	79·0	78·7	80·3	81·8	82·8	83·0	8[illegible]·2	84·1	84·9	84·7
	9	78·7	78·0	77·8	77·7	79·2	81·1	82·6	83·9	84·9	86·9	87·2	87·1
	10	79·7	79·3	79·2	79·0	79·5	82·0	82·5	83·2	83·9	85·0	86·2	85·8
	11	79.5	79·2	78·8	78·5	80·5	82·5	84·0	85·1	84·8	85·4	85·8	85·3
	12	77·3	76·9	76·5	76·5	78·7	80·4	81·9	83·3	84·0	83·8	84·6	84·6
	13	77.2	76·8	76·5	76·3	78·7	80·7	82·5	83·9	83·8	83·8	84·5	84·8
	14												
	15	78·6	78·3	78·0	77·7	79·5	81·4	83·1	84·7	86·4	89·8	91·8	90·1
	16	81·0	80·7	80·2	80·0	82·5	84·3	86·1	87·9	88·8	91·5	93·7	95·0
	17	82·5	82·0	81·5	81·2	83·5	85·6	87·3	89·0	90·2	91·1	90·7	90·1
	18	82·0	81·5	81·0	80·7	83·0	83·7	84·7	85·0	85·9	86·5	87·3	87·7
	19	81·2	80·7	80·2	79·8	80·4	82·4	83·1	83·9	84·0	85·2	85·8	85·9
	20	79·2	78·5	78·2	78·2	80·3	81·9	83·9	84·4	84·0	84·7	85·6	85·4
	21												
	22	79·2	78·8	78·3	78·2	80·3	83·1	84·5	85·5	84·7	85·7	86·4	86·0
	23	79·7	79·3	79·0	79·0	81·1	83·2	85·1	86·2	85·3	86·7	87·2	86·7
	24	80·0	79·7	79·3	79·3	81·0	83·6	85·3	86·8	86·0	87·1	87·8	87·2
	25	79·7	79·5	79·0	79·1	80·8	83·6	85·5	87·0	85·8	86·7	87·5	86·8
	26	79·9	79·5	79·2	79·5	81·0	83·6	85·1	86·5	87·2	89·0	89·2	88·2
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	80·6	80·2	79·8	79·8	81·0	84·0	85·9	87·3	87·6	89·3	90·4	89·3
	29												
	30												
	31												

THERMOMETER IN THE GROUND, SIX INCHES BELOW THE SURFACE.

	Date. Göttingen Mean Time.	Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10	11^h
MARCH, 1846.	1												
	2	85°·5	85°·1	84°·5	83°·9	83·5	83°·1	82°·8	82°·4	82°·1	81°·9	81°·6	81°·0
	3	86·9	86·3	85·8	85·2	85·0	84·5	84·0	83·4	82·8	82·7	82·4	82·1
	4	84·9	84·6	84·2	83·6	83·2	82·8	82·5	81·9	81·3	81·0	80·7	80·3
	5	84·8	84·3	85·3	83·4	83·0	82·7	82·2	82·0	81·7	81·4	80·7	80·2
	6	84·9	84·7	84·2	83·8	83·3	83·0	82·6	82·2	82·0	81·7	81·4	81·1
	7												
	8	85·1	84·8	84·3	83·8	83·4	83·0	82·2	81·6	80·8	80·7	80·3	79·9
	9	86·6	86·2	85·7	85·0	84·3	83·5	83·2	82·8	82·5	82·0	81·4	80·9
	10	85·8	85·5	85·0	84·2	83·8	83·4	82·8	82·4	82·1	81·8	81·6	81·2
	11	86·8	86·2	85·6	84·8	84·3	84·0	83·6	83·1	82·6	82·2	81·8	81·4
	12	85·1	84·7	84·2	83·7	83·2	83·0	82·7	82·5	81·7	81·3	81·1	80·8
	13	84·6	84·3	83·7	83·2	82·7	82·2	81·9	81·6	81·3	81·1	80·9	80·6
	14												
	15	83·5	83·1	82·6	81·6	81·5	81·2	80·8	80·2	79·8	79·5	79·3	79·1
	16	84·1	83·7	83·2	82·6	82·2	81·8	81·5	81·2	80·9	80·3	79·8	79·6
	17	83·6	83·4	82·8	82·2	81·7	80·8	80·2	79·5	79·7	79·6	79·3	79·0
	18	83·5	83·0	82·5	81·8	81·2	80·7	80·4	79·8	79·5	79·1	78·8	—
	19	—	—	—	—	—	—	—	—	—	—	—	79·7
	20	85·0	84·5	83·8	83·2	82·7	82·4	81·8	81·5	81·2	80·7	80·2	79·8
	21												
	22	83·8	83·7	83·2	82·7	82·4	82·1	81·7	81·5	81·3	80·9	80·3	80·2
	23	86·0	85·8	85·2	84·5	84·2	84·0	83·6	83·0	82·6	82·1	81·7	81·5
	24	87·6	87·2	86·5	85·7	85·2	84·9	84·5	84·3	84·0	83·5	83·2	82·8
	25	88·6	88·2	87·4	86·8	86·8	85·8	84·9	85·0	84·8	84·4	84·0	83·8
	26	88·5	88·0	87·5	86·8	86·4	86·0	85·6	85·6	85·0	84·7	84·2	83·9
	27	88·3	87·7	87·2	86·5	86·0	85·5	85·3	85·0	84·6	84·2	83·9	83·5
	28												
	29	85·0	84·6	84·0	83·5	83·1	82·8	82·5	82·3	82·2	82·2	82·1	81·7
	30	85·2	84·8	84·5	83·8	83·3	83·0	82·7	82·5	82·0	81·7	81·7	81·4
	31	86·3	85·9	85·3	84·4	84·2	83·7	83·5	83·0	82·8	82·5	82·4	82·2

THERMOMETER IN THE GROUND, SIX INCHES BELOW THE SURFACE.

	Date. Göttingen Mean Time.	Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
APRIL, 1846.	1	85°·9	85°·5	84°·9	84°·2	83°·8	83°·5	83°·1	82°·8	82°·5	82°·2	82°·0	81°·7
	2	85·3	84·9	84·5	83·8	83.5	83.2	82·8	82·5	82·3	82·0	81·9	81·5
	3	86·9	86·3	85.7	85·2	84·7	84·2	83·8	83·5	83·2	82·8	82·5	82·2
	4												
	5	86·7	86·3	85·8	85·2	84·8	84·5	84·2	83·9	83·5	83·3	83·0	82·7
	6	86·6	86·2	85·7	85·0	84·7	84·2	84·0	83·7	83·4	83·2	82·9	82·7
	7	86.2	85·8	85·4	84·8	84.5	84·2	84·0	83·6	83·5	83·3	83.0	82·8
	8	87·0	86·5	86·1	85·4	85·0	84·5	84·2	84·0	83·7	83·4	83·2	83·0
	9	86.7	86·2	86·0	85·4	85·2	84·8	84·2	84·3	84·1	83·9	83·6	83·4
	10	86·5	86.2	85·8	85·2	85·0	84·7	84·5	84·2	83·8	83·7	83·4	83·0
	11												
	12	86.9	86·3	85·8	85·2	85·0	84·8	84·5	84·2	84·1	84·0	83·9	83·5
	13	86·5	86·3	86·0	85·7	85·3	85·0	84·8	84·5	84·2	84·2	84·0	83·7
	14	86·9	86·5	86·0	85·5	85·2	84·8	84·7	84·5	84·3	84·1	83·9	83·6
	15	86·9	86·7	86·0	85·5	85.2	84·9	84·5	84·3	84·0	83·9	83·6	83·4
	16	88·2	87·7	87·2	86·5	86·1	85·8	85·3	85·0	84·8	84·6	84·4	84·2
	17	88.3	87·7	87·1	86·5	86·1	85·5	85·2	84·8	84·2	84·4	84·2	83·9
	18												
	19	88·1	87·7	87·2	86·5	86·0	85·7	85·5	85·2	84·8	84·7	84·4	84·2
	20	88·0	87·5	86·9	86·3	86·0	85·7	85·3	85·0	84·6	84·4	84·0	83·8
	21	87·7	87·3	86·8	86·3	86·0	85·7	85·2	84·8	84·6	84·4	84·0	83·6
	22	88·7	88·3	87.8	87·3	87·1	86·8	86·7	86·2	85·8	85·4	85·3	—
	23	—	—	—	—	—	—	—	—	—	—	—	86·1
	24	90·3	90·1	89.7	89·0	88·8	88·3	88·2	87·8	87·7	87·3	87·0	86·7
	25												
	26	90.2	90·4	90·0	89·2	88·7	88·2	88·2	87·9	87·5	87·4	87·0	86·7
	27	91.5	90.8	90.2	89·5	88·8	88·4	88·0	87·5	87·2	87·0	86·6	86·2
	28	90·8	90·3	90·0	89·2	88·8	88.5	88·0	87·3	87·0	86·7	86·6	86·2
	29	90.0	89·7	88·8	88·5	88·0	87·5	87·1	86·7	86·3	85·9	85·4	85·0
	30	90.9	90.1	89·3	88·7	88·2	87·8	87·5	87·2	86·8	86·6	86·2	85·9
	31												

THERMOMETER IN THE GROUND, SIX INCHES BELOW THE SURFACE.

Date. Göttingen Mean Time.		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
MARCH, 1846.	1												
	2	80°·7	80°·3	80°·0	80°·3	81°·2	84°·0	86°·0	86°·0	86°·0	87°·0	87°·8	87°·5
	3	81·9	81·6	81·2	81·2	81·7	83·2	84·0	84·0	84·2	84·9	85·5	85·4
	4	80·0	79·6	79·3	79·5	80·3	82·9	83·3	84·0	83·8	84·8	85·7	85·5
	5	79·9	79·5	79·2	79·8	80·6	82·6	83·2	84·0	83·8	84·8	85·6	85·7
	6	80·9	80·6	80·1	80·2	80·8	82·8	83·7	84·8	84·7	85·6	86·6	86·9
	7												
	8	79·3	78·7	78·5	79·0	80·2	83·4	83·4	85·3	85·3	86·3	87·7	87·7
	9	80·4	79·9	79·6	79·7	81·0	83·7	85·2	85·2	85·0	85·8	86·7	86·7
	10	80·7	80·2	79·9	80·2	81·3	84·4	86·1	87·9	86·8	87·1	87·9	87·6
	11	81·0	80·6	80·2	80·5	81·8	84·0	85·0	84·1	84·0	84·6	85·5	85·7
	12	80·5	80·0	79·7	80·0	81·7	83·0	83·7	83·2	83·4	84·2	85·1	85·4
	13	80·3	80·0	79 8	80·1	81·5	82·3	83·7	83·9	83·8	83·4	84·5	84·5
	14												
	15	78·8	78·6	78·2	78·0	79·1	80·5	82·0	82·7	83·0	83·8	84·6	84·5
	16	79·6	79·4	78·8	78·7	81·0	81·7	82·5	82·2	82·4	83·0	84·0	84·3
	17	78·7	78·2	77·8	78·2	81·0	81·0	81·2	81·6	81·7	82·5	83·8	84·4
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	79·5	79·1	78·9	79·1	81·1	81·5	84·2	83·5	83·3	84·3	85·2	85·9
	20	79·5	79·1	78·7	79·2	81·5	81·8	83·6	83·0	83·0	83·7	84·5	85·3
	21												
	22	80·0	80·0	79·5	79·4	82·2	82·4	84·0	84·2	84·6	85·2	86·0	85·1
	23	80·9	80·2	80·0	80·2	84·2	84·5	85·0	85·5	85·5	86·6	88·4	89·0
	24	82·4	82·3	82·2	82·2	84·7	85·0	85·5	86·2	86·0	87·5	89·1	89·7
	25	83·5	83·2	83·2	83·2	85·6	86·2	87·6	87·8	87·5	88·0	88·3	89·2
	26	83·6	83·2	83·0	83·2	85·9	86·4	86·5	86·7	87·0	87·3	88·8	89·1
	27	83·0	82·5	82·2	82·5	85·4	86·0	85·5	85 5	85·5	86·2	86·9	87·0
	28												
	29	81·5	81·2	80·7	80·8	83·2	84·0	84·0	84·0	84·2	84·7	85·2	85·4
	30	81·3	81·1	80·6	80·9	83·8	85·2	84·5	84·5	84·6	85·2	86·3	86·5
	31	82·0	81·7	81·7	81·8	82·7	83·5	84·0	83·9	84·3	85·0	85·9	86·2

THERMOMETER IN THE GROUND, SIX INCHES BELOW THE SURFACE.

Date. Göttingen Mean Time.		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
APRIL, 1846.	1	81°·5	81°·1	80°·8	81°·2	83°·4	84°·8	84°·0	84°·0	84°·2	84°·6	85°·3	85°·6
	2	81·2	81·0	80·7	81·2	83·7	85 4	85·5	85·6	85·7	86·5	87·5	87·5
	3	81·9	81·6	81·2	81·6	82·2	84·0	84·2	84·7	84·8	85·3	86·0	86·3
	4												
	5	82·3	81·9	81·7	82·2	85·2	86·2	85·1	85·2	85·6	85·9	86·4	86·6
	6	82·2	81·8	81·6	81·8	85·2	85·8	85·7	85·3	85·3	85·7	86·0	86·3
	7	82·6	82·4	82·2	82·4	83·3	84·5	84·8	85·1	85·7	86·1	86·7	87·0
	8	82·6	82·3	82·2	82·4	83·3	83·9	84·2	84·7	85·1	85·8	86·4	86·7
	9	83·1	82·8	82·5	82·7	83·7	84·3	85·3	85·5	85·7	86·0	86·5	86·8
	10	82·7	82·2	82·2	82·5	85·2	84·5	84·7	85·0	85·2	85·6	85·9	86·3
	11												
	12	83·2	82·8	82·6	83·0	83·5	84·2	84·7	85·0	85·5	85·8	85·9	86·4
	13	83·4	83·2	83·2	83·2	85·0	85·2	85·2	85·7	86·2	86·4	86·5	87·2
	14	83·3	83·0	82·7	83·0	83·8	84·5	85·5	85·5	85·7	86·0	86·1	86·9
	15	83·0	82·7	82·3	82·7	83·8	85·0	86·7	86·7	86·7	87·0	87·3	88·4
	16	83·9	83·6	83·4	83·7	85·0	85·0	85·5	85·8	86·2	86·8	87·2	88·3
	17	83·6	83·3	83·0	83·4	84·4	85·2	86·0	86·2	86·5	86·8	87·0	87·8
	18												
	19	84·0	83·8	83·6	83·9	85·0	86·2	86·8	87·0	87·2	87·4	87·5	88·1
	20	83·2	82·9	82·7	82·8	83·8	85·2	85·9	86·4	86·7	87·0	87·0	87·6
	21	83·1	82·8	82.6	82·7	83·6	84·8	85·3	85·7	86·3	86·6	87·0	88·0
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	85·8	85·7	85·7	85·8	87·2	88·2	88·9	89·0	89·2	89·5	90·0	90·7
	24	86·4	86·0	85·8	86·1	87·4	88·5	88·7	88·8	89·2	89·6	89·8	90·6
	25												
	26	86·3	86·1	85 9	86·2	87·5	88·5	88·7	89·0	89·5	89·9	90·0	91·2
	27	85·8	85·4	85·2	85·5	86·8	87·6	88·5	88·8	89·1	89·6	89·8	90·8
	28	85·7	85·2	84·8	85·3	86·7	86·8	87·0	87·5	88·0	88·5	88·7	89·8
	29	84·7	84·3	84·2	84·5	85·8	86·5	87·2	87·7	88·2	88·7	89·1	90·5
	30	85·6	85·3	85·2	85·6	86·8	87·5	88·2	88·6	89·0	89·4	89·5	90·9
	31												

Date.	Göttingen Mean Time.	THERMOMETER IN THE GROUND, SIX INCHES BELOW THE SURFACE.											
		Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
MAY, 1846.	1	91°·1	90°·4	89°·7	89°·2	88°·7	88°·2	87°·9	87°·6	87°·3	87°·0	86°·6	86°·2
	2												
	3	92·4	91·7	91·0	90·2	89·7	89·2	88·6	88·4	88·0	87·5	87·1	86·7
	4	93·5	92·7	91·7	90·7	90·2	89·7	89·2	88·8	88·5	88·2	87·9	87·6
	5	92·3	91·7	90·9	90·1	89·7	89 1	88·8	88·5	88·0	87·9	87·6	87·3
	6	93·4	92·7	91·8	90·9	90·3	89·8	89·5	89·0	88·6	88·4	88·0	87·8
	7	91·1	90·7	90·1	89·5	89·0	88·6	88·3	88·0	87·6	87·6	87·3	87·0
	8	91·9	91·2	90·4	89·8	89·2	88·8	88 5	88·0	87·7	87·5	87·0	86·6
	9												
	10	92·2	91·2	90·5	89·8	89·4	89·0	88·7	88·4	88·2	88·0	87·8	87·5
	11	91·3	90·8	90·2	89·6	89·2	88·8	88·5	88·3	88·1	88·0	87·9	87·7
	12	92·3	91·8	91·0	90·2	89·8	89·5	89·3	89·2	88·8	88·7	88·3	88·0
	13	92·9	92·2	91·7	90·8	90·4	90·0	89·8	89·5	89·2	89·0	88·8	88·7
	14	92·3	92·1	91·4	90·8	90·7	90·2	89·8	89·5	89·2	89·0	88·6	88·3
	15	91·0	91·0	90·0	89·6	89·2	88·9	88·5	88·2	87·8	87·6	87·3	87·0
	16												
	17	93·8	93·1	92·3	91·5	91·0	90 5	90·1	89·6	89·5	89·0	88·9	88·6
	18	93·8	93·2	92·3	91·6	91·2	90·7	90·3	90·0	89·6	89·3	89·0	88·7
	19	93·2	93·0	92·5	91·8	91·3	90·8	90·5	90·1	89·8	89·5	89·2	88·9
	20	93·7	93·1	92·2	91·5	91·1	90·6	90·2	89·9	89·6	89·4	89·1	88·9
	21	93·5	93·0	92·3	91·5	91·1	90·6	90·5	90·2	89·9	89·6	89·3	89·0
	22	94·5	93·9	93·0	92·2	91·8	91·5	91·0	90·6	90·4	90·0	89·9	89·5
	23												
	24	94·7	94·0	93·1	92·3	91·9	91·5	90.6	90·8	90·3	90·1	89·9	89·5
	25	95·0	94·2	93·4	92·6	92·0	91·6	91·4	91·0	90·5	90·3	90·0	89·7
	26	96·0	95·2	94·3	93·3	92·7	92·2	91·8	91·5	91·0	90·8	90·5	90·2
	27	96·0	95 3	94·3	93·3	92·8	92·2	92·0	91·5	91·1	90·9	90·6	90·3
	28	96·5	96·0	95·0	93 9	93·2	92·6	92·1	91·6	91·2	91·0	90·8	90·4
	29	95·9	95·2	94·4	93·7	93·1	92·5	92·0	91·6	91·2	91·0	90·6	—
	30	—	—	—	—	—	—	—	—	—	—	90·4	90·1
	31												

Date.	Göttingen Mean Time.	THERMOMETER IN THE GROUND, SIX INCHES BELOW THE SURFACE.											
		Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
JULY, 1846.	1	81°·8	81°·8	81°·8	81°·7	81°·6	81°·5	81°·4	81°·3	81°·2	81°·2	81°·0	81°·0
	2	80·6	80·7	80·8	80·7	80·7	80·5	80·5	80·5	80·5	80·4	80·3	80·2
	3	80·7	81·0	81·2	81·2	81·0	80·8	80·7	80·6	80·6	80·6	80·6	80·5
	4												
	5	83·9	84·0	84·0	84·0	83·9	83·5	83·2	83·1	82·9	82·8	82·6	82·4
	6	84·7	84·8	84·8	84·8	84·7	84·2	84·0	83·6	83·5	83·4	83·2	82·9
	7	84·0	84·1	84·0	83·9	83·7	83·5	83·4	83·2	82·9	82·7	82·6	82·7
	8	84·5	84·8	84·7	84·7	84·6	84·0	84·0	83·7	83·6	83 5	83·3	83·1
	9	85·9	86·2	86·2	85·8	85·7	85·5	85·2	84·9	84·5	84·5	84·3	84·0
	10	86·1	86·3	86·3	86·2	85·8	85·5	85·3	85 0	84·8	84·8	84·5	84·3
	11												
	12	85·7	85·7	85·6	85·2	85·1	84·8	84·6	84·5	84·3	84·3	84·1	84·0
	13	84·3	84.2	84·2	84·2	84·0	83·7	83·5	83·5	83·3	83·3	83·2	82·6
	14	83·5	83·7	83·8	83·8	83·8	83·5	83·3	83·3	83·1	83·1	83·0	82·8
	15	83·5	83·5	83·3	82·3	81·0	80·2	80·2	80·2	80·2	80·4	80·4	80·4
	16	81·4	81·3	81·2	80·8	80·6	80·2	80·1	79·8	79·6	79·7	79·5	79·4
	17	78·0	78·2	78·4	78·4	78·4	78·2	78·0	78·0	77·8	78·0	78·0	78·1
	18												
	19	77·8	77·8	77·8	77·8	77·8	77·6	77·5	77·6	77·6	77·6	77·6	77·5
	20	77·9	78·0	78·0	77·8	77·8	77·6	77·6	77·6	77·6	77·6	77·5	77·5
	21	77·5	77·8	77·8	77·8	77·8	77·6	77·6	77·6	77·5	77·5	77·5	77·5
	22	78·4	78·7	78·7	78·7	78·6	78·5	78·4	78·2	78·2	78·2	—	—
	23	—	—	—	—	—	—	—	—	—	—	79·7	79·6
	24	78·3	78·2	77·8	77·7	77·7	77·7	77·6	77·6	77·5	77·5	77·5	77·5
	25												
	26	78·4	78·4	78·4	78·4	78·4	78·1	78·1	78·0	78·0	78·0	78·0	73·0
	27	79·3	79·7	79·4	79·3	79·2	78·9	78·7	78·6	78·6	78·6	78·6	78·5
	28	79·9	80·2	80·0	79·9	79·8	79·5	79·3	79·2	79·0	79·0	78·9	78·7
	29	79·1	79·3	79·3	79·2	79·3	79·0	79·0	78·9	78·8	78·8	78·8	78·7
	30	79·0	79·2	79·2	79·2	79·0	78·8	78·6	78·5	78·5	78·5	78·5	78·5
	31	80·0	80·2	80·2	80·0	79·9	79·6	79·5	79·4	79·3	79·2	79·1	79·0

Date. Göttingen Mean Time.		THERMOMETER IN THE GROUND, SIX INCHES BELOW THE SURFACE.											
		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
MAY, 1846.	1	85°·9	85°·7	85°·6	85°·9	87°·3	88°·5	89°·2	89°·4	89°·7	90°·0	90°·1	91°·7
	2												
	3	86·4	86·2	86·0	86·3	87·6	88·8	89·2	89·5	89·8	90·2	90·6	92·6
	4	87·3	86·9	87·7	87·0	87·9	89·4	89·7	89·8	90·0	90·3	90·7	92·1
	5	87·0	86·7	86·5	86·9	87·9	89·2	89·7	90·0	90·3	90·7	91·1	92·7
	6	87·4	87·2	87·0	87·2	87·8	89·0	89·2	89·3	89·5	89·8	89·9	90·9
	7	86·7	86·3	86·2	87·2	88·2	88·8	89·2	89·5	89·8	90·0	90·2	91·5
	8	86·1	85·8	85·7	86·2	87·4	90·0	89·6	89·5	89·8	90·0	90·2	91·5
	9												
	10	87·0	86·8	86·7	87·3	88·3	89·2	89·2	89·5	89·8	90·0	90·1	91·0
	11	87·4	87·2	87·2	88·3	91·2	90·7	90·5	90·7	91·0	91·1	91·1	92·2
	12	87·7	87·6	87·4	88·5	91·2	91·8	90·6	90·6	90·8	91·1	91·2	92·4
	13	88·4	88·2	88·1	88·1	88·2	89·0	89·6	90·7	91·2	91·4	91·3	92·7
	14	88·1	87·8	87·8	88·0	88·4	88·5	89·0	90·0	90·4	90·8	90·4	90·0
	15	86·5	86·0	86·0	86·7	87·8	88·4	88·8	89·4	89·6	90·2	90·4	92·5
	16												
	17	88·2	87·9	87·9	88·2	89·2	89·6	90·0	90·5	90·8	91·1	91·5	93·0
	18	88·4	88·2	88·2	89·0	89·3	90·0	90·8	91·2	91·4	91·7	92·0	93·1
	19	88·8	88·6	88·5	88·7	89·3	90·0	90·6	91·5	92·0	92·2	92·5	93·5
	20	88·5	88·2	88·3	89·4	90·1	90·6	90·8	91·2	91·6	92·1	92·2	93·2
	21	88·7	88·4	88·4	88·8	90·0	90·6	91·2	91·5	91·8	92·2	92·4	93·9
	22	89·2	88·9	88·8	89·2	90·0	90·5	90·7	91·2	91·6	92·0	92·2	93·7
	23												
	24	89·3	89·2	88·9	90·3	90·9	91·5	91·8	92·2	92·6	93·1	93·5	94·5
	25	89·5	89·2	89·2	89·8	91·2	91·0	91·5	91·9	92·3	92·9	93·2	94·9
	26	89·9	89·6	89·5	90·3	90·8	91·5	91·6	92·0	92·4	92·8	93·1	95·0
	27	90·0	89·7	89·7	90·7	91·0	91·5	91·8	92·5	92·8	93·2	93·5	95·4
	28	90·0	89·7	89·7	90·8	91·2	91·6	92·0	92·5	92·8	93·2	93·5	95·0
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	—	—	—	—	92·8	93·0	92·5	92·8	93·1	93·5	93·8	95·3
	31												

Date. Göttingen Mean Time.		THERMOMETER IN THE GROUND, SIX INCHES BELOW THE SURFACE.											
		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
JULY, 1846.	1	80°·9	81°·0	81°·0	81°·0	80°·8	80°·6	80°·6	80°·8	80°·6	80°·7	80°·8	80°·7
	2	80·2	80·2	80·2	80.2	80·2	80·0	79·8	79·6	84·0	80·1	80·4	80·5
	3	80·5	80·5	80·5	80·6	80·8	81.2	81·3	81·6	81·8	82·1	82·3	82·4
	4												
	5	82·2	82·0	81·8	81·8	82·2	82·6	82·5	82·6	83·0	83·4	83·8	84·1
	6	82·8	82·7	82·7	82·5	82·6	82·2	82·5	82·8	83·0	83·4	83·6	83·9
	7	82·5	82·2	82·2	82·2	82·4	82·3	82·5	82·8	83·1	83·5	83·8	84·2
	8	82·9	82·9	82·8	82.7	82·8	83·1	83·5	83·8	84·1	84·5	84·8	85·2
	9	83·8	83·7	83·7	83·7	83·7	83·2	84·0	84·4	84.6	85·0	85·4	85·7
	10	84·1	84·0	83·8	83.8	84·2	84·5	84·8	85·0	85·3	85·6	85·9	86·2
	11												
	12	84·0	83·9	83·9	83·7	83·7	83·5	83·5	83·6	83·8	84·0	84·0	84·2
	13	82·3	82·2	82·2	82·2	82.2	82·0	82·0	82·3	82·3	82·6	82·8	83·1
	14	82·7	82·7	82·7	82·6	82·7	82·5	82·8	82·8	83·1	83·5	83·5	83·5
	15	80·4	80·2	80·3	80·2	80·2	80·1	80·2	80·5	80·9	81·3	81·6	81·5
	16	79·1	79·2	79·0	79·0	79·1	78·4	78·8	79·0	79.0	79·1	79·0	78·2
	17	78·1	78·3	78·2	87·3	78·4	78·2	78·2	78·3	78·5	78·7	78·9	78·7
	18												
	19	77·4	77·4	77.5	77·5	77·5	77·5	77.5	77·6	77·6	78·0	77·9	77·9
	20	77·5	77·2	77.0	77·2	77·2	77·0	76·8	76·8	77·0	77·1	77·2	77·4
	21	77·5	77·7	77·5	77·3	77·3	77·4	77·4	77·3	77·6	77.8	78·1	78·3
	22	—	—	—	—	—	—	—	—		—	—	—
	23	79·5	79·5	79·5	79·5	79·4	79·2	79·2	79·5	79·4	79·3	78·9	78·4
	24	77·5	77·7	77.8	77·8	78·0	77·8	77·8	77·8	77·8	77·8	77·7	77·8
	25												
	26	78·0	78·0	78·0	78·0	78·2	78·0	78·1	78·3	78·6	78·9	79·1	79·3
	27	78·5	78.6	78·7	78·7	78·7	78·5	78·6	78·8	79·2	79·4	79·6	79·8
	28	78·6	78·7	78·7	78·7	78·6	78·5	78·5	78·5	78·6	78·9	79·0	79·1
	29	78·7	78.8	78·8	78·7	78·8	78·5	78·6	78·8	78·8	78·9	79·0	79·0
	30	78·4	78.6	78·7	78·5	78·8	78·8	79·0	79·2	79·4	79·6	79·8	79·9
	31	87·9	78.9	79·0	78·8	78·8	78·9	78·8	78·8	79·0	79·2	79·4	79·5

Date. Göttingen Mean Time.		THERMOMETER IN THE GROUND, SIX INCHES BELOW THE SURFACE.											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
AUGUST, 1846.	1												
	2	81°·8	82°·2	82°·2	82°·0	82°·0	81°·5	81°·4	81°·2	80°·9	80°·8	80°·5	80°·3
	3	82·4	82·7	82·4	82·2	82·0	81·7	81·6	81·4	81·2	81·0	80·9	80·7
	4	83·0	83·2	83·1	82·9	82·5	82·2	82·0	81·8	81·5	81·3	81·1	80·9
	5	82·1	82·4	82·4	82·2	82·0	81·5	81·5	81·1	80·8	80·8	80·6	80·4
	6	83·0	83·3	83·4	83·2	83·1	82·6	82·5	82·2	81·9	81·7	81·5	81·3
	7	82·6	82·6	82·5	82·4	82·3	81·9	81·7	81·5	81·4	81·2	80·9	80·8
	8												
	9	80·8	80·8	80·8	80·7	80·7	80·5	80·3	80·2	80·2	79·9	79·8	79·7
	10	81·8	82·1	82·1	82·0	82·0	81·5	81·4	81·2	81·0	80·9	80·7	80·6
	11	83·8	83·9	83·8	83·3	83·3	83·0	82·6	82·5	82·2	82·1	82·0	81·7
	12	82·0	82·0	81·7	81·5	81·2	81·0	80·9	80·6	80·6	80·5	80·4	80·3
	13	81·5	81·4	81·4	81·2	81·2	81·0	80·6	80·6	80·5	80·5	80·4	80·3
	14	81·9	82·1	82·0	81·7	81·5	81·2	81·1	80·8	80·6	80·6	80·5	80·3
	15												
	16	80·7	80·7	80·3	80·1	80·0	79·8	79·5	79·5	79·5	79·4	79·4	79·3
	17	80·7	80·9	80·9	80·7	80·6	80·4	80·2	80·1	79·8	79·8	79·5	79·4
	18	80·7	81·0	81·0	80·8	80·7	80·5	80·3	80·2	80·0	79·8	79·6	79·5
	19	80·3	80·5	80·5	80·4	80·2	80·0	80·0	79·8	79·6	79·6	79·5	79·4
	20	81·0	81·2	81·2	81·0	80·9	80·6	80·5	80·5	80·4	80·2	80·0	79·8
	21	81·3	81·6	81·6	81·5	81·4	81·2	81·0	80·8	80·7	80·6	80·5	80·4
	22												
	23	80·2	80·2	79·3	79·0	80·0	79·6	79·6	79·5	79·4	79·4	79·3	79·3
	24	80·9	81·2	81·2	81·0	80·9	80·6	80·5	80·4	80·3	80·2	80·0	79·9
	25	82·1	82·4	82·2	82·2	82·0	81·8	81·6	81·5	81·3	81·1	80·9	80·7
	26	82·7	82·9	82·8	82·7	82·6	82·2	82·0	81·8	81·6	81·5	81·3	81·1
	27	81·3	81·4	81·3	81·2	81·0	80·6	80·6	80·5	80·3	80·2	80·0	79·9
	28	81·6	81·8	81·7	81·3	81·2	81·0	80·8	80·6	80·6	80·5	—	—
	29	—	—	—	—	—	—	—	—	—	—	79·9	79·8
	30												
	31	81·4	81·3	81·4	81·2	81·1	80·7	80·5	80·5	80·3	80·2	80·0	79·8

Date. Göttingen Mean Time.		THERMOMETER IN THE GROUND, SIX INCHES BELOW THE SURFACE.											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
SEPTEMBER, 1846.	1	81°·7	81°·8	81°·7	81°·4	81°·2	80°·8	79°·6	79°·8	79°·8	79°·9	79°·8	79°·7
	2	81·4	81·7	81·7	81·4	81·2	81·0	80·8	80·6	80·5	80·5	80·3	80·2
	3	82·3	82·5	82·5	82·2	82·0	81·6	81·5	81·4	81·2	81·0	80·8	80·5
	4	82·4	82·5	82·4	82·3	82·2	81·6	81·5	81·4	81·2	81·0	80·8	80·6
	5												
	6	82·3	82·3	82·2	81·9	81·7	81·4	81·0	80·9	80·6	80·4	80·3	80·0
	7	82·0	82·3	82·3	82·1	81·8	81·6	81·4	81·8	80·8	80·8	80·5	80·5
	8	82·1	82·4	82·2	82·1	81·9	81·5	81·3	81·1	80·8	80·8	80·7	80·5
	9	82·7	82·9	82·6	82·4	82·2	81·7	81·5	81·4	81·0	80·8	80·5	80·4
	10	80·4	80·2	80·6	80·5	80·2	79·8	79·6	79·5	79·5	79·4	79·3	79·3
	11	81·3	81·2	81·2	81·2	81·2	80·7	80·5	80·5	80·4	80·2	80·0	80·0
	12												
	13	81·8	81·8	81·8	81·4	81·3	81·2	80·8	80·7	80·6	80·6	80·5	80·4
	14	81·3	81·5	81·3	81·2	81·2	80·7	80·6	80·5	80·3	80·3	80·2	80·0
	15	82·2	82·2	82·2	82·0	81·8	81·5	81·4	81·2	80·8	80·8	80·5	80·4
	16	80·7	80·8	80·7	80·6	80·5	80·2	80·0	79·8	79·9	79·9	79·8	79·6
	17	77·9	78·3	78·7	78·7	78·7	78·7	78·7	78·0	78·3	78·4	78·4	78·4
	18	80·6	80·7	80·7	80·5	80·4	80·3	80·1	80·0	79·9	79·8	79·6	79·4
	19												
	20	80·3	80·2	79·7	79·5	79·5	78·8	78·5	78·5	78·3	78·3	78·1	78·1
	21	78·7	78·9	78·6	78·5	78·5	78·3	78·2	78·0	77·9	78·0	77·8	77·8
	22	80·5	80·7	80·5	80·4	80·2	79·7	79·7	79·5	79·3	79·1	79·0	78·9
	23	81·9	82·1	81·8	81·5	81·2	80·7	80·5	80·3	80·1	79·9	79·7	—
	24	—	—	—	—	—	—	—	—	—	—	81·3	81·0
	25	85·5	85·6	84·8	84·8	84·4	83·6	83·4	83·0	82·5	82·3	81·9	81·6
	26												
	27	86·3	86·2	85·8	85·0	84·8	84·2	83·8	83·5	83·0	82·8	82·4	82·0
	28	85·6	85·5	84·8	84·7	84·2	83·8	83·5	83·1	82·6	82·5	82·1	81·9
	29	84·7	84·7	84·2	83·9	83·7	83·1	82·7	82·5	82·2	82·0	81·9	81·7
	30	84·3	84·1	83·7	83·4	83·2	82·6	82·5	82·2	82·0	81·8	81·5	81·3
	31												

Date. Göttingen Mean Time.		THERMOMETER IN THE GROUND, SIX INCHES BELOW THE SURFACE.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
AUGUST, 1846.	1												
	2	80°·1	80°·0	80°·0	80°·0	80°·0	80°·0	80°·5	80°·8	81°·2	81°·5	81°·8	82°·1
	3	80·5	80·5	80·3	80·3	80·5	80·6	81·3	81·5	81·8	82·1	82·5	82·7
	4	80·8	80·7	80·5	80·5	80·5	80·6	81·0	81·2	81·2	81·6	81·9	82·0
	5	80·3	80·2	80·2	80·2	80·1	80·2	80·6	81·0	81·2	81·6	81·9	82·4
	6	81·1	80·9	80·7	80·6	80·7	80·7	81·0	81·5	81·3	81·5	81·8	82.3
	7	80·7	80·7	80.5	80·5	80·5	80·5	80·5	80·6	81·0	81·3	81·4	81·9
	8												
	9	79·6	79·5	79·5	79·6	79·6	79·5	79·6	80·1	80·5	80·7	81·0	81·5
	10	80·5	80·5	80·3	80·3	80·6	81·0	81·4	81·7	82·2	82·6	82·8	83·3
	11	81·5	81·5	81·4	81·3	81·1	80·8	81·0	81·2	81·4	81·6	81·8	82·0
	12	80·0	80·0	80·0	80·0	79·9	79·7	80·0	80·2	80·5	80·9	81·2	81·4
	13	80·2	80·2	80·1	80·1	80·2	80·0	80·2	80·5	81·0	81·2	81·6	81·8
	14	80·2	80·2	80·1	80·0	79·8	79·6	79·6	79·8	79·8	79·8	79·9	80·0
	15												
	16	79·3	79·3	79·3	79·3	79·4	79·5	79·8	80·1	80·5	80·8	80·6	80·6
	17	79·3	79·3	79·3	79·3	79·3	79·2	79·4	79·4	79·6	80·0	80·3	80·5
	18	79·4	79·4	79·4	79·2	79·2	79·2	79·5	79·8	80·1	80·4	80·3	80·3
	19	79·3	79·2	79·2	79.3	79·3	79·2	79·5	79·8	80·2	80·5	80·7	81·0
	20	79·6	79·5	79·5	79·4	79·4	79·5	79·6	80·0	80·3	80·3	80·7	81·0
	21	80·2	80.2	80·2	80·1	80·2	80·0	80·0	80·2	80·5	80·7	81·0	81·3
	22												
	23	79·1	79·0	79·2	79·2	79·2	79·0	79·1	79·4	79·7	80·1	80·4	80·7
	24	79·8	79·7	79·7	79·6	79·7	80·2	80·5	80·8	81·2	81·5	81·8	82·0
	25	80·5	80·5	80·3	80·2	80·3	80·6	81·0	81·3	81·6	82·0	82·4	82·5
	26	80·9	80·7	80·7	80·7	80·5	80·4	80·5	80·6	80·8	80·9	81·0	81·2
	27	79·9	79·7	79·7	79·8	79.9	80·4	80·6	80·6	81·0	81·2	81·3	81·5
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	79·6	79·5	79·5	79·4	79·5	79·8	80·2	80·5	80·6	80·8	80·8	80·8
	30												
	31	79·6	79·7	79·5	79·4	79·4	79·6	80·0	80·3	80·8	81·0	81·4	81·7

Date. Göttingen Mean Time.		THERMOMETER IN THE GROUND, SIX INCHES BELOW THE SURFACE.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
SEPTEMBER, 1846.	1	79°·5	79°·4	79°·4	79°·4	79°·3	79°·5	79°·8	80°·0	80°·3	80°·7	81°·0	81°·2
	2	80·1	80·1	80·0	79·9	80·0	80·0	80·4	80·5	81·1	81·4	81·8	82·0
	3	80·3	80·3	80·2	80·0	80·0	78·8	80·5	80·8	81·2	81·5	81·9	82·2
	4	80·4	80·3	80·2	80·1	80·2	80·4	80·5	80·8	81·0	81·3	81·8	82·1
	5												
	6	79·9	79·9	79·7	79·7	79·7	80·0	80·1	80·5	80·8	81·2	81·7	81·9
	7	80·2	80·2	80·2	80·1	80·1	80·0	80·4	80·6	81·0	81·4	81·9	82·0
	8	80·4	80·2	80·2	80·2	80·2	80·3	80·6	81·0	81·5	82·0	82·4	82·5
	9	80·3	80·2	80·2	80·0	79·8	79·5	79·5	79·6	79·8	80·1	80·2	80·4
	10	79·2	79·2	79·2	79·2	79·2	79·2	79·2	79·6	80·0	80·5	81·0	81·2
	11	79·8	79·9	79·8	79·7	79·7	79·6	79·7	80·1	80·5	80·6	80·9	81·0
	12												
	13	80·2	80·1	80·2	80·2	80·2	80·0	80·2	80·5	80·7	80·1	81·1	81·2
	14	80·0	80·0	80·0	80·0	80·2	80·0	80·5	80·6	81·0	81·5	81·8	82·2
	15	80·2	80·1	80·2	80·1	80·1	80·2	80·4	80·5	80·6	80·7	80·7	80·7
	16	79·5	79·5	79·5	79·6	79·7	79·5	79·5	79·6	79·7	80·0	79·9	79·3
	17	78·4	78·4	78·5	78·5	78·7	78·7	79·0	79·5	79·7	80·0	80·3	80·5
	18	79·1	79·0	78·9	78·9	79·1	79·4	79·5	79·8	80·2	80·5	81·3	81·4
	19												
	20	78·0	78·1	78·2	78·2	77·9	78·0	78·5	78·0	78·2	78·2	78·5	78·7
	21	77·8	77·9	77·9	77·8	77·9	78·0	78·2	78·4	78·6	79·3	80·0	80·3
	22	78·8	78·8	78·7	78·7	78·7	79·0	79·2	80·1	80·4	81·3	81·8	82·0
	23	—	—	—	—	—	—	—		—	—	—	—
	24	80·7	80·7	80·3	80·2	80·2	80·5	81·4	82·4	83·0	83·9	85·0	85·4
	25	81·4	81·1	81·0	80·8	80·8	81·0	81·5	82·4	83·5	84·3	85·6	86·1
	26												
	27	81·8	81·5	81·3	81·3	81·2	81·5	82·5	83·0	83·5	84·3	85·4	85·7
	28	81·7	81·5	81·3	81·2	81·5	82·0	82·5	83·1	83·8	84·4	84·9	84·9
	29	81·5	81·2	81·2	81·2	81·3	81·8	81·6	82·3	82·8	83·6	84·0	84·0
	30	81·1	81·0	80·8	80·7	81·2	81·6	82·6	83·6	84·5	85·4	86·1	86·3
	31												

THERMOMETER IN THE GROUND, SIX INCHES BELOW THE SURFACE.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
OCTOBER, 1846.	1	86°·1	86°·0	85°·7	85°·1	84°·8	84°·4	83°·6	83°·6	83°·2	83°·0	82°·7	82°·4
	2	84·8	84·8	84·7	84·0	83·7	83·2	83·0	82·6	82·5	82·1	81·9	81·6
	3												
	4	86·2	85·8	85·7	85·5	85·2	85·5	84·5	84·2	83·8	83·8	83·5	83·3
	5	87·3	87·3	87·0	86·7	86·2	84·8	85·5	85·3	85·0	84·9	84·6	84·4
	6	87·7	87·7	87·2	86·7	86·5	86·0	85·6	85·4	85·0	85·0	84·7	84·5
	7	88·9	88·9	88·6	88·2	87·9	87·1	86·8	86·5	86·0	85·9	85·5	85·3
	8	89·8	89·8	89·5	89·2	88·6	87·9	87·2	86·5	86·0	85·7	85·2	84·8
	9	85·3	85·2	84·9	84·9	84·4	83·8	83·5	83·1	82·9	82·8	82·6	82·5
	10												
	11	87·8	87·5	86·9	86·6	86·3	85·8	85·4	85·0	84·6	84·5	84·2	83·9
	12	90·0	89·8	89·2	88·7	88·3	87·6	87·1	86·6	86·2	85·8	85·4	85·0
	13	90·2	89·8	89·5	89·1	88·5	87·8	87·3	86·8	86·2	85·9	85·5	85·0
	14	89·9	89·8	89·2	88·8	88·2	87·6	87·2	86·6	86·3	85·9	85·5	85·0
	15	91·0	90·8	90·2	89·9	89·3	88·7	88·3	87·8	87·5	87·1	86·7	86·4
	16	87·9	87·9	87·7	87·5	87·2	86·8	86·5	86·2	86·0	85·9	85·5	85·4
	17												
	18	90·5	90·4	90·1	89·8	89·5	88·8	88·5	88·1	87·7	87·4	87·0	86·7
	19	90·0	89·5	89·3	89·0	88·5	88·2	87·6	87·5	87·0	86·8	86·4	86·0
	20	90·9	90·7	90·2	89·8	89·2	88·6	88·2	87·6	87·2	87·0	86·5	86·0
	21	91·3	91·2	90·7	90·8	89·7	89·0	88·4	87·8	87·5	87·0	86·7	—
	22				—	—	—	—	—	—	—	84·5	84·1
	23	90·3	90·3	89·8	89·5	88·9	88·4	88·0	87·5	87·0	86·8	86·4	85·9
	24												
	25	89·2	88·9	88·5	88·2	87·7	87·1	86·6	86·4	86·0	85·8	85·5	85·0
	26	88·3	88·2	87·8	87·2	87·0	86·4	86·0	85·6	85·3	85·1	84·9	84·5
	27	87·4	87·3	86·8	86·7	86·2	85·6	85·4	85·0	84·6	84·4	84·1	83·8
	28	86·9	86·8	86·6	86·2	86·0	85·6	85·2	84·8	84·5	84·2	84·0	83·7
	29	88·3	88·2	87·8	87·4	87·0	86·5	86·0	85·5	85·0	84·9	84·4	84·0
	30	88·0	88·0	87·7	87·2	86·7	86·2	85·8	85·5	85·2	84·7	84·3	83·7
	31												

THERMOMETER IN THE GROUND SIX INCHES BELOW THE SURFACE.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
NOVEMBER, 1846.	1	88°·2	87°·9	87°·6	87°·2	86°·7	86°·2	85°·8	85°·5	85°·0	84°·6	84°·3	84°·0
	2	91·9	91·7	91·0	90·6	90·2	89·0	89·0	88·5	88·0	87·7	87·2	86·7
	3	92·4	92·2	91·9	91·1	90·3	89·8	89·3	88·6	88·3	87·9	87·4	87·0
	4	91·7	91·2	90·8	90·2	89·8	89·0	88·5	88·0	87·6	87·2	86·8	86·4
	5	90·2	90·0	89·4	88·8	88·4	87·8	87·3	86·8	86·5	86·2	85·9	85·5
	6	88·9	88·8	88·2	88·0	87·7	87·0	86·6	86·3	86·0	85·8	85·5	85·3
	7												
	8	91·7	91·2	90·4	89·8	89·2	88·5	87·8	87·3	86·8	86·3	85·7	85·3
	9	91·0	90·7	90·0	89·3	88·8	88·1	87·5	86·8	86·3	85·9	85·4	84·9
	10	91·2	90·7	90·3	89·5	88·6	88·1	87·5	87·0	86·2	85·7	85·1	84·6
	11	90·3	90·0	89·5	89·0	88·5	87·6	87·1	86·5	85·9	85·5	85·0	84·5
	12	91·5	91·3	90·3	89·8	89·3	88·4	87·6	87·0	86·5	86·0	85·5	85·0
	13	91·4	90·8	90·2	89·7	89·0	88·2	87·5	87·0	86·5	86·0	85·4	85·0
	14												
	15	91·0	90·3	89·8	89·2	88·7	87·8	87·2	86·5	85·9	85·4	84·9	84·4
	16	91·0	90·5	89·8	89·2	88·5	87·6	87·0	86·5	85·8	85·3	84·7	84·1
	17	89·0	88·8	88·2	87·7	87·0	86·5	85·6	85·2	84·6	84·3	83·8	83·3
	18	90·4	90·0	89·2	88·7	88·0	87·1	86·5	85·8	85·2	84·8	84·3	83·7
	19	89·8	89·3	88·7	88·0	87·5	86·6	85·8	85·3	84·7	84·3	83·8	83·3
	20	88·1	88·0	87·2	86·7	86·2	85·5	84·8	84·3	83·8	83·4	82·8	82·3
	21												
	22	88·7	88·2	87·4	87·0	86·3	85·5	85·0	84·3	83·6	83·3	82·7	82·3
	23	89·0	88·7	88·0	87·3	86·7	85·8	85·2	84·5	83·9	83·5	83·0	82·5
	24	89·4	88·8	88·2	87·5	86·2	86·0	85·3	84·5	83·9	83·5	82·9	82·4
	25	88·3	88·0	87·0	86·5	86·1	85·0	84·4	83·6	83·0	82·7	82·1	81·7
	26	87·1	86·7	86·2	85·7	85·2	84·6	84·2	83·6	83·2	83·0	82·7	82·5
	27	88·8	88·3	87·8	87·2	86·7	86·2	85·6	85·2	84·7	84·5	84·1	—
	28	—	—	—	—	—	—	—	—	—	—	85·5	85·1
	29												
	30	90·0	89·7	89·1	88·7	88·2	87·5	87·0	86·6	86·4	86·0	85·7	85·3
	31												

THERMOMETER IN THE GROUND, SIX INCHES BELOW THE SURFACE.

Date. Göttingen Mean Time		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
OCTOBER, 1846.	1	82°·2	82°·0	81°·8	81°·7	81°·8	82°·6	83°·5	83°·6	84°·0	84°·6	85°·0	84°·9
	2	81·3	81·1	81·1	81·0	81·2	82·2	83·0	83·3	83·6	83·9	84·2	84·7
	3												
	4	83·1	83·0	82·8	82·8	83·1	83·6	84·7	85·5	86·0	86·7	87·3	87·4
	5	84·1	83·9	83·7	83·5	83·7	84·3	85·3	86·2	87·0	87·5	87·9	87·9
	6	84·3	84·1	83·9	83·7	84·0	84·6	85·4	86·0	86·9	87·7	88·6	88·9
	7	85·0	85·0	84·7	84·5	84·3	84·5	85·5	86·2	87·3	88·7	89·7	89·8
	8	84·4	84·2	83·8	83·7	83·6	84·0	84·5	84·8	85·1	85·3	85·4	85·4
	9	82·4	82·2	82·2	82·2	82·2	82·0	82·5	83·0	84·0	85·0	85·7	85·9
	10												
	11	83·5	83·7	83·2	83·1	83·7	84·2	85·2	86·0	87·2	88·9	90·3	90·2
	12	84·5	84·2	83·8	83·5	84·1	84·2	85·6	86·2	87·8	89·3	90·4	90·4
	13	84·5	84·1	83·7	83·6	84·0	84·5	85·3	86·0	87·5	88·9	89·9	90·0
	14	84·7	84·2	84·1	84·0	84·5	85·2	86·0	86·8	88·3	90·0	90·9	91·0
	15	86·1	85·8	85·7	85·7	85·5	85·2	85·2	85·5	86·3	88·0	87·9	87·9
	16	85·1	85·0	84·8	84·8	84·6	81·8	85·2	86·2	87·6	88·9	89·8	90·0
	17												
	18	86·3	86·1	85·8	85·7	86·2	87·0	87·5	87·6	88·6	89·3	89·9	90·0
	19	85·7	85·2	84·8	85·0	85·7	86·5	87·5	88·0	89·5	90·1	91·0	91·0
	20	85·7	85·2	85·0	84·7	84·8	86·5	87·3	88·1	89·7	90·8	91·3	91·4
	21	—											
	22	83·8	83·5	83·2	83·0	83·8	84·5	85·5	86·2	37·8	89·4	90·2	90·4
	23	85·5	85·2	85·1	84·8	85·2	85·8	87·0	87·5	89·0	90·4	91·5	91·6
	24												
	25	84·8	84·7	84·2	84·3	85·0	85·5	85·8	86·2	87·1	87·8	88·5	88·4
	26	84·2	84·0	83·7	83·7	84·3	84·2	84·8	85·2	86·0	86·9	87·4	87·5
	27	83·5	83·2	83·1	83·0	83·2	83·8	84·2	84·8	85·6	86·4	86·9	86·9
	28	83·5	83·2	83·0	83·0	83·6	84·5	84·6	85·2	86·5	87·3	88·2	88·3
	29	83·7	83·3	83·2	83·2	83·7	84·5	85·0	85·6	86·6	87.4	88·0	88·0
	30	83·4	83·1	82·7	82·7	83·2	84·0	84·5	85·2	86·9	87·3	88·3	88·4
	31												

THERMOMETER IN THE GROUND, SIX INCHES BELOW THE SURFACE.

Date. Göttingen Mean Time.		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
NOVEMBER, 1846.	1	83°·6	83°·2	83°·2	83°·2	84°·1	84°·6	85°·6	86°·5	88°·6	90°·4	91°·7	91°·9
	2	86·4	86·1	85·7	85·7	86·2	86·6	87·5	88·2	89·8	91·4	92·6	92·6
	3	86·6	85·8	85·8	85·9	86·5	87·2	88·0	88·6	90·2	91·3	92·1	92·0
	4	86·0	85·6	85·2	85·2	86·2	86·5	87·5	88·0	89·3	90·0	90·7	90·6
	5	85·2	84·9	84·7	84·5	85·1	85·6	86·6	86·6	87·5	88·4	89·0	89·0
	6	85·0	84·8	84·7	84·7	85·2	86·2	87·2	87·5	87·5	89·5	90·3	90·3
	7												
	8	84·8	84·2	83·8	83·7	84·7	85·2	86·4	86·8	90·9	90·8	91·6	91·4
	9	84·5	84·0	83·6	83·3	84·3	85·2	86·2	86·8	89·0	91·2	91·9	91·5
	10	84·2	83·8	83·2	83·3	84·0	85·0	86·0	86·6	89·2	90·4	90·9	90·6
	11	84·0	83·6	83·5	83·0	83·9	84·9	89·5	86·8	88·8	91·0	92·9	92·0
	12	84·5	84·0	83·7	83·5	84·5	85·2	86·5	87·0	89·3	91·4	92·5	91·7
	13	84·4	84·1	83·6	83·5	84·5	85·0	86·0	87·0	89·5	91·0	91·4	91·0
	14												
	15	83·9	83·4	83·0	82·8	83·7	84·5	85·5	86·5	88·5	90·7	92·7	91·8
	16	83·7	83·2	82·8	82·4	83·2	84·0	84·8	85·5	87·0	89·6	89·9	89·4
	17	82·9	82·4	82·1	81·9	82·8	83·5	84·0	85·1	87·3	89·5	91·8	91·3
	18	83·2	82·7	82·2	82·2	82·8	83·6	84·6	85·4	87·6	89·9	91·1	90·4
	19	82·9	82·3	82·0	81·7	82·6	83·2	84·2	85·0	87·4	88·6	89·0	88·5
	20	81·9	—	81·2	81·2	82·0	82·6	83·8	84·6	86·6	88·0	88·4	88·0
	21												
	22	81·9	81·5	81·2	81·0	81·7	82·5	83·5	84·6	87·0	89·1	91·1	89·6
	23	82·0	81·7	81·2	81·0	81·8	82·5	83·5	84·5	86·8	89·1	91·1	90·2
	24	82·0	81·7	81·1	80·7	81·7	82·5	83·5	84·2	86·5	88·8	89·7	88·9
	25	81·0	80·7	80·4	79·9	80·8	81·6	82·6	83·7	85·9	88·2	88·0	87·5
	26	82·1	82·0	81·7	81·6	82·5	83·5	85·0	86·2	88·5	90·5	90·1	89·3
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	84·7	84·3	84·0	83·8	85·0	85·6	86·5	87·3	88·2	89·1	89·8	89·4
	29												
	30	84·9	84·5	84·2	84·0	84·9	85·5	86·5	87·8	90·0	91·4	92·5	92·0
	31												

THERMOMETER IN THE GROUND, SIX INCHES BELOW THE SURFACE.

Date. Göttingen Mean Time.		Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
DECEMBER, 1846.	1	91°·1	90°·7	89°·8	89°·2	88°·7	88°·0	87°·2	86°·6	86°·1	85°·7	85°·2	84°·7
	2	88·0	87·7	87·2	86·7	86·2	85·6	85·2	84·6	84·2	83·9	83·3	82·9
	3	87·0	86·7	86·2	85·7	85·4	84·6	84·0	83·5	83·0	82·7	82·0	81·6
	4	88·4	88·0	87·2	86·6	86·2	85·5	84·6	84·2	83·5	83·1	82·8	82·3
	5												
	6	88·1	87·6	86·8	86·2	85·4	84·5	84·0	83·2	82·6	82·2	81·7	81·0
	7	85·9	85·7	85·0	85·2	84·0	83·5	82·9	82·4	81·8	81·5	81·1	80·7
	8	88·2	87·8	87·2	86·7	86·2	85·6	85·2	84·8	84·5	84·2	83·9	83·5
	9	89·3	88·7	88·2	87·7	86·8	86·3	85·8	85·3	84·8	84·5	84·0	83·7
	10	87·7	87·2	86·7	86·2	85·7	85·2	84·6	84·2	83·6	83·5	83·1	82·7
	11	87·8	87·2	86·7	86·2	85·7	85·0	84·6	84·2	83·8	83·5	83·2	82·9
	12												
	13	86·5	85·8	85·3	85·0	84·5	83·5	83·0	82·5	82·0	81·6	81·1	80·6
	14	85·4	85·2	84·7	84·2	83·9	83·5	83·0	83·5	82·2	81·9	81·5	81·0
	15	85·5	85·2	84·7	84·2	83·7	83·1	82·6	82·3	82·0	81·6	81·3	80·9
	16	87·5	87·0	86·4	85·8	85·2	84·5	84·0	83·5	83·0	82·6	82·2	81·9
	17	88·2	87·7	86·8	86·2	85·6	84·8	84·5	84·0	83·5	83·2	82·8	82·5
	18	88·0	87·5	86·7	86·2	85·6	84·8	84·3	83·8	83·5	83·3	82·9	82·5
	19												
	20	89·2	88·2	87·5	86·7	86·2	85·0	84·5	84·2	83·6	83·2	82·7	82·3
	21	86·0	85·7	85·1	84·8	84·2	83·5	83·0	82·5	82·1	81·8	81·4	81·0
	22	87·6	87·2	86·2	85·7	85·2	84·5	84·0	83·5	82·2	82·2	81·9	81·4
	23	87·6	86·9	86·2	85·2	84·8	84·0	83·4	82·5	82·0	81·4	81·0	
	24	—	—	—	—	—	—	—	—	—	—	81·0	80·3
	25	86·7	86·2	85·3	84·9	84·1	83·3	82·6	82·0	81·3	80·7	80·0	79·3
	26												
	27	86·2	85·7	85·2	84·5	83·8	83·0	82·3	81·6	81·0	80·7	80·0	79·5
	28	88·0	87·3	86·3	85·7	85·2	84·5	83·6	82·6	82·0	81·5	80·9	80·4
	29	87·8	87·2	86·2	85·7	85·2	84·2	83·6	83·0	82·5	81·9	81·1	80·7
	30	89·7	88·8	87·9	87·1	86·2	85·5	85·0	84·2	83·5	83·0	82·5	82·1
	31	89·5	88·7	87·8	87·0	86·3	85.5	84·9	84·2	83·5	83·2	82·7	82·2

WET BULB THERMOMETER.

Date. Göttingen Mean Time.		Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
JANUARY, 1846.	1	75°·2	75°·9	74°·6	73°·0	72°·6	70°·0	69°·0	70°·5	73°·0	71°·5	72°·0	71°·2
	2	73·0	73·3	73·0	73·0	72·7	70·7	69·2	68·5	70·5	70·0	70·0	70·0
	3												
	4	76·0	75·0	74·5	73·0	71·4	71·0	72·4	72·8	72·5	72·0	71·5	71·0
	5	72·9	72·9	73·2	72·8	72·8	72·0	72·0	71·0	69·8	69·0	68·0	67·0
	6	72·8	72·5	70·8	71·2	71·0	70·7	69·2	69·7	69·8	67·0	64·5	66·3
	7	68·5	68·3	69·0	69·6	67·2	67·8	66·8	66·5	66·0	68·0	64·0	62·5
	8	72·2	—	71·9	70·0	70·7	67·9	64·7	66·0	65·2	64·0	67·8	65·2
	9	68·5	69·2	69·5	67·3	67·4	66·2	64·0	63·0	64·0	65·0	65·4	63·0
	10												
	11	72·0	71·7	72·0	71·0	71·2	72·0	69·2	69·2	72·0	71·5	71·0	70·4
	12	74·0	73·0	73·8	73·0	72·8	72·2	71·0	68·3	69·0	72·0	70·8	69·9
	13	74·5	71·7	71·5	71·8	72·0	72·2	70·4	70·5	70·0	70·1	70·3	71·3
	14	74·2	73·9	73·2	72·5	70·0	71·0	71·0	71·2	70·5	71·2	71·0	70·9
	15	74·6	74·8	76·5	74·2	72·0	68·5	69·0	72·0	72·2	73·0	72·1	71·5
	16	74·3	74·6	75·0	73·0	72·5	71·0	72·0	72·0	72·0	72·7	69·6	69·8
	17												
	18	70·5	69·0	69·8	70·0	70·0	66·5	63·2	65·0	66·5	64·6	64·7	62·6
	19	73·0	73·0	72·0	72·0	71·5	70·0	68·2	67·2	68·2	67·0	66·0	65·8
	20	73·9	74·0	73·0	72·9	72·1	69·2	70·5	71·0	70·9	70·7	70·1	68·0
	21	73·0	70·5	70·5	70·2	70·0	69·9	69·2	69·0	69·5	69·1	68·6	67·6
	22	71·2	70·5	68·9	69·4	69·5	70·4	67·3	66·3	65·3	65·4	65·5	61·4
	23	67·4	68·4	69·5	68·9	68·7	68·1	67·3	66·0	66·0	65·5	66·3	66·5
	24												
	25	71·0	70·0	70·0	70·0	70·0	69·2	69·2	69·0	68·2	67·4	67·1	67·7
	26	72·5	71·0	70·3	69·5	69·5	70·5	66·8	66·5	68·0	68·8	67·6	68·4
	27	69·0	69·0	67·5	67·9	68·0	67·0	67·0	64·7	63·9	62·9	64·0	64·0
	28	72·6	72·2	71·0	70·5	70·0	69·4	68·0	66·0	66·5	67·6	67·8	68·0
	29	68·5	66·2	67·0	68·0	69·0	67·2	63·0	61·2	60·4	62·6	62·2	62·2
	30	69·0	68·8	68·0	68·1	68·1	68·0	68·7	68·4	68·8	68·9	68·6	68·3
	31												

THERMOMETER IN THE GROUND, SIX INCHES BELOW THE SURFACE.

Date.	Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
DECEMBER, 1846.	1	84°·2	83°·7	83°·2	83°·2	84°·0	84°·5	85°·3	85°·8	87°·0	88°·1	88°·7	88°·5
	2	82·5	82·2	81·9	81·7	82·6	83·6	84·5	85·5	86·2	87·2	87·9	87·5
	3	81·3	80·7	80·5	80·3	81·3	82·5	83·5	84·3	86·2	88·5	89·4	89·3
	4	81·9	81·5	81·2	81·2	82·2	83·0	84·0	84·8	87·0	89·2	91·2	90·2
	5												
	6	80·6	80·1	79·7	79·5	80·6	81·5	82·5	83·5	85·3	86·0	86·9	86·7
	7	80 3	80·2	79·9	79·8	81 0	82·0	83·2	84·3	87·0	88·2	89·1	89·0
	8	83·2	82·8	82·5	82·4	83·6	84·5	85·5	86·5	89·2	90·5	90·9	90·5
	9	83·3	83·0	82·6	82·5	83·0	84·2	85·5	86·6	87·2	88·0	88·8	88·7
	10	82·4	82·2	81·7	81·7	82·6	83·6	85·0	86·0	87·2	88·3	88·8	88·5
	11	82 5	82·2	82·0	81 7	82·5	83·2	83·5	83·8	85·1	86·1	86·9	86·9
	12												
	13	80·2	79·8	79·5	79·2	79·5	80·5	81·8	82·5	84·0	85·3	86·3	86·0
	14	80·7	80·4	80·1	79·8	80·1	81·6	82·8	83·4	84·0	85·2	86·3	86·4
	15	80·5	80·2	79·8	79·7	80·7	81·8	83·0	84·0	86·5	87·9	88·4	88·8
	16	81·5	81·2	80·7	80·4	81·2	82·2	83·5	84·2	86·6	88·7	90·0	89·7
	17	82·2	81·9	81·5	81·2	82·2	83·2	84·5	85·2	87·0	88·1	89 2	89·2
	18	82·0	81·6	81·2	81·2	81·8	83·0	83·5	84·8	87·0	89·0	90·4	90·7
	19												
	20	81·9	81·4	80·9	80·7	81·6	82·5	83·2	83·7	85·1	86·0	87·0	87·1
	21	80·6	80·3	80·0	79·7	80·7	81·7	82·8	83·8	86·5	89·0	89·2	88·8
	22	81·0	80·7	80·2	79·8	80·8	82·0	83·2	83·6	86·4	88·7	89·4	89·3
	23												
	24	79·7	79·2	78·7	78·6	79·5	80·6	82·8	82·5	85·3	86·6	87·5	88·1
	25	79·0	78·7	78·2	78·0	78·8	80·0	81·1	81·5	84·2	86·9	87·4	87·5
	26												
	27	79·0	78·8	78·4	78·2	78·9	80·2	81·5	82·2	84·8	87·3	89·7	89·5
	28	80·0	79·5	79·2	79·0	79·6	79·8	81·8	82·5	85·5	88·0	89·1	89·4
	29	80·3	79·9	79·5	79·2	80·2	81·5	82·8	83·5	86·5	88·9	91·0	92·4
	30	81·7	81·2	80·8	80·7	81·5	82.5	83·0	83·8	86·8	89·2	91·5	91·0
	31	81·7	81·3	80·9	80·5	81·5	83·0	84·2	84·8				

WET BULB THERMOMETER.

Date.	Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
JANUARY, 1846.	1	71°·5	70°·0	70°·6	70°·4	72°·2	72°·8	68°·0	71°·5	69°·9	71°·5	72°·9	73°·3
	2	71·0	69·5	70·9	69·9	70·0	69·0	69·8	70·2	67·5	70·5	72·2	75·0
	3												
	4	70·8	72 0	70·2	70·4	70·4	68·5	70·0	68·2	68·0	69·8	72·3	71·4
	5	68·0	70·5	69·9	69·6	69·0	69·0	69·5	70·3	69·5	69·5	71·5	72·0
	6	67·4	63·7	65·5	62·7	65·8	67·0	68·0	69·5	69·0	70·2	70·2	70·4
	7	61·2	63·0	61·3	61·3	65·7	67·5	67·0	67·8	69·0	70·3	72·0	72·0
	8	62·0	66·6	65·6	62·0	63·0	66·9	68·0	69·0	68·5	69·1	69·2	68·9
	9	63·2	60·0	59·5	62·6	62·9	64·0	63·9	63·9	65·7	66·0	68·4	69·0
	10												
	11	69·1	67·0	67·0	67·6	68·0	68·3	69·2	70·0	69·5	72·3	72·6	73·6
	12	70·0	69·0	67·9	65·0	67·5	68·0	68·5	68·8	70·2	72·5	73·4	73·0
	13	70·5	67·9	67·7	66·2	67·0	68·8	69·0	70·4	72·0	73·2	74·5	74·9
	14	69·0	68·7	68·1	69·5	66·5	70·2	70·0	71·3	68·8	72·1	74·6	72·6
	15	70·9	70·0	69·2	68·1	68·5	70·2	69·8	69·5	73·0	73·9	73·0	74·8
	16	69·4	67·2	67·6	67·1	68·0	67·5	68·7	70·5	71·0	72·7	73·8	75·0
	17												
	18	61·2	60·5	60·3	60·2	61·5	64·8	67·0	66·2	70·0	72·6	73·0	72·9
	19	62·8	65·7	65·6	67·0	68·0	67·0	68·2	69·0	71·2	72·9	72·4	73·3
	20	65·9	64·0	65·5	66·4	66·7	68·4	69·2	67·2	70·3	71·5	73·0	74·2
	21	66·8	63·0	67·0	67·0	67·9	68·1	67·0	65·5	68·8	68·5	69·9	72·0
	22	62·5	65·0	62·9	61·0	63·0	67·0	68·0	67·7	67·3	67·8	69·0	68·7
	23	65·7	62·0	62·2	65·0	67·0	66·5	68·4	69·8	69·5	69·5	70·0	69·0
	24												
	25	67·7	68·5	68·0	66·5	68·5	69·2	70·4	70·5	70·9	71·4	72·9	72·6
	26	66·9	64·0	66 0	66·9	66·0	66·3	66·8	67·9	68·2	68·6	69·0	69·0
	27	63·9	61·0	59·5	61·0	63·5	63·2	63·7	66·3	69·2	70·4	71·4	72·2
	28	67·9	66·9	66·0	66·9	66·0	66·8	67·2	68·2	68·5	69·6	69·6	68·3
	29	63·0	61·5	58·5	56·9	59·8	61·3	61·5	66·5	67·2	68·3	69·0	69·7
	30	67·5	68·0	68·5	68·2	68·5	68·0	68·9	70·2	71·0	71·6	73·2	72·8
	31												

WET BULB THERMOMETER.

Date. Göttingen Mean Time.		Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
FEBRUARY, 1846.	1	72°0	71°6	71°2	71·7	72°0	72°0	71°9	71°3	70°9	71·2	71°0	70·9
	2	72·0	70·7	70·0	70·0	69·9	70·0	70·1	69·7	69·1	69·2	69·8	68·9
	3	69·0	70·8	71·0	70·5	70·9	71·0	70·8	70·8	71·0	70·8	70·2	70·0
	4	74·2	73·9	73·7	73·3	73·0	73·0	72·9	69·8	68·7	69·2	69·8	67·0
	5	74·0	74·0	73·9	73·2	73·0	70·6	68·9	68·0	68·0	67·0	66.0	66·0
	6	74·0	74·9	74·2	73·0	72·7	70·0	65·9	64.9	68·0	69·0	69·6	69·4
	7												
	8	72.2	73·0	71·8	71·0	71·9	72·5	69·6	71·6	70·3	69·4	69·2	68·2
	9	73.0	73·1	72·3	72·0	72·0	72·0	72·2	72 0	72·9	73·0	72·0	71·2
	10	73·2	72·7	72·0	71·8	71·7	71·0	71·0	70·8	70·5	70·9	69·7	69·9
	11	72·0	71·8	71·0	70·8	71·0	70·8	70.7	70·1	70·0	70·0	69·3	68·2
	12	69·4	68·2	67·2	66·2	66·7	66·9	66·7	67·0	66·9	66·2	66 0	65·8
	13	68·2	67.5	67·0	67·0	66·0	66·0	66·6	66·8	66·0	66·7	66·2	67·2
	14												
	15	69·0	70·3	70·2	70·5	69·4	69 0	69·0	68·0	68·9	68·2	69·2	70·0
	16	75·5	75·0	74·9	74·0	74·0	74·0	73·6	74·5	72·9	71·8	70·7	70·2
	17	78·0	77·3	76·0	75·5	75·4	75·3	74.4	73·9	73·7	74·4	74·0	72.3
	18	75·5	74·5	76·2	73·2	73·6	72·9	72·6	71·2	71·0	72·0	71·0	65·5
	19	76·5	76·2	75·4	75·4	73·2	72·6	69·0	69·7	72·2	70·3	68·0	71·9
	20	70·4	70·0	70.0	71·0	70·5	69·6	69·0	70·6	68·7	67·0	66·9	67·0
	21												
	22	69·9	70·0	69·7	79·4	70·0	70·0	69·8	69·9	68·8	69·0	70·0	69·2
	23	72·1	72·0	71·4	71·0	71·0	71·1	71·0	70·8	71·6	71·3	71·4	70·7
	24	73.8	72·6	71.6	71·5	71·2	70·9	70·6	70·9	70·8	70·5	70·5	70·8
	25	71·5	72·4	71·2	71.0	70·2	69·8	69·4	69·2	68·9	68·8	68·2	69·0
	26	70·3	71·0	71·0	71·0	70·7	70·3	70·5	70·8	70·5	70·0	70·0	70.2
	27	72·0	72·0	70·1	70·2	70·0	70·1	69·9	69·7	69·5	69·2	69·0	68·3
	28	72·6	72.0	72.0	71·3	71·0	70·7	70·9	71·5	70·8	71·2	72·0	71·8
	29												
	30												
	31												

WET BULB THERMOMETER.

Date. Göttingen Mean Time.		Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
MARCH, 1846.	1												
	2	75°1	74°2	74°0	73°9	73°8	74°5	74°5	74°9	75°0	74°6	74°7	73·7
	3	75·3	74·9	74·0	73·7	74·5	75·0	75·7	74·1	73·1	74·8	74·0	74·2
	4	74·3	74·3	74·0	73·3	73 8	74·0	74·2	74·0	74·0	73·5	73·4	73·6
	5	74·9	74·8	73·8	73·2	72·0	72·0	73·0	73·7	74·0	72·8	72·6	72·0
	6	74·0	73·3	73·0	73·3	73·3	74 0	74·0	74·0	74·0	73·7	73·4	72·9
	7												
	8	74·3	73·3	72 4	72·2	72·3	72·0	71·0	69·0	68·5	67·4	66·8	64·7
	9	74·1	73·3	72·3	72·2	72·3	71·0	74·6	73·0	73·9	72·0	72·8	72·0
	10	75·6	74 8	74·5	74·4	74·8	74·5	74·0	74·4	74·2	74·8	74·2	73·0
	11	75·6	74·5	73·9	73·5	73·6	73·6	74·0	74·0	73·5	73·3	73·0	72·8
	12	75·9	75·4	75·2	75·0	74·8	74·6	74·8	74·9	74·6	74·8	74·4	74·0
	13	74·5	74·0	73·2	73·2	73·0	72·9	73·0	73·0	72·9	71·5	72·0	72·0
	14												
	15	69·5	70·2	70·2	69·2	69 2	69·5	69·0	66·8	66·0	65·6	66·2	68·0
	16	73·3	72·7	73·2	72·0	72·2	72·5	72·0	70·0	71·2	69·6	68·0	73·5
	17	75·4	74·2	72·5	71·8	71·4	71·8	70·5	69·8	71·0	71·9	71·1	71·6
	18	73·0	73 2	72·4	72·0	71·2	71·8	70·0	69·5	69·0	70·0	69·9	70·0
	19	73·0	72·5	72·9	72·2	73·3	73·8	74·2	74·2	75·2	71·0	71·2	70·6
	20	74·5	74·0	73·3	73·2	73·2	73·5	72·0	72·5	72·0	71·4	71·0	71·0
	21												
	22	74·5	73·5	73·5	73·2	73·6	74·5	74·5	74·5	74·0	73·5	72·9	73·8
	23	77·6	78·5	76·5	75·0	74·7	76·0	73·5	70·7	70·0	70·9	72·6	74 0
	24	80·6	80·3	79·8	79·2	78 4	78·5	78·7	78·5	78·2	77·6	76·9	77·0
	25	79·3	78·9	78·2	78·2	77·5	77·9	78·0	77·6	77·7	77·1	77·2	77·3
	26	78·9	78·0	78·0	77·9	77·5	77·5	77·2	77·2	77·1	76·2	75·9	76·0
	27	78·6	78·4	77·8	77·3	77·9	77·8	75·7	76·0	76·0	75·8	75·7	75·4
	28												
	29	74·9	74·2	73·4	72·0	72·8	73·5	73·5	73·7	73·0	73·0	71·5	73·0
	30	76·3	75·7	75·2	75·2	74·8	73·7	74·3	74·4	74·0	72·5	73·5	74·4
	31	76·2	75·3	75·0	75·0	75·2	75 5	75·2	75·0	74·7	75·0	74 9	74·0

Date. Göttingen Mean Time.		WET BULB THERMOMETER.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
FEBRUARY, 1846.	1	70°·2	70°·5	70°·3	70°·0	70°·6	71°·6	72°·0	72°·1	71°·2	72°·0	71°·7	72°·0
	2	68·9	69.0	69 2	68·9	69·9	70·4	70·6	70·8	69·8	69·3	71·2	69·0
	3	68·2	70·0	69·7	69·0	68·5	68·8	70·6	70·5	72·0	72·0	73·0	74·0
	4	67·0	67·6	67·0	66·5	68·8	70·0	70·3	71·0	72.0	72·0	73·0	73·2
	5	64 3	62·7	65·0	65·4	66·5	68·0	69·7	69·1	70·3	73·2	72·1	73·5
	6	68.3	66 7	66·0	66·3	67·0	68·5	70·1	69·0	68·0	75·0	74·8	75·2
	7												
	8	68·4	99·9	69·5	70·0	68·5	66.0	69·0	69·8	71·5	72·2	73·1	73·5
	9	72·0	71·6	71·5	71·6	72·0	73·4	73·8	74·6	73.5	73·9	73·2	73·0
	10	69·8	70·0	71·2	71·4	71·9	73·3	72·0	71·9	71·8	71·8	72.0	72·2
	11	68·2	70·0	69·2	70·0	71·0	71·9	71·5	70·7	70·4	70·2	70·2	69·5
	12	66·2	66·0	66·5	66.0	67·4	67·2	68·3	69·2	68·9	68·6	69·2	69.5
	13	67·0	66·5	65·0	66·3	68·5	68·4	69 0	69·6	78 0	68·5	67·5	68.3
	14												
	15	69·0	69·5	68·5	68·2	67·9	69·2	69·6	70·5	69.7	69·5	70·4	76·6
	16	71·0	71·0	70·7	70.0	72·0	70·4	71·2	73·8	74·0	72·2	72·9	76.4
	17	73·3	71·9	72·5	72·8	72·6	72·2	71 1	72·5	72·2	75.5	76·3	75·4
	18	69·2	68·2	64·0	64·0	65·0	66·6	67·2	68·9	73·0	75·0	75·3	76·7
	19	67.5	67·0	65.0	64·0	63·8	66·3	67·0	69·5	70·7	70·8	70·3	70·3
	20	66.0	66·9	66·0	66·0	67 5	66·5	69·3	69·0	69·0	70·0	70·2	69·5
	21												
	22	69·0	69·5	69·5	69·2	70·3	71·4	72·6	71·0	71·5	72·2	72·8	72·0
	23	71·0	70·2	71·2	71·6	72·7	73·0	73·5	73·4	73·6	73·4	73·5	73·2
	24	72·0	71·6	71·6	72·4	72·7	73 2	73·7	73·6	74·0	73·2	72·5	72.2
	25	68·3	68·0	70·4	70·8	71·0	71·8	71·6	71·0	70·7	70·8	69·9	70·5
	26	69·5	70·2	70·0	70·7	71.0	72·0	72·7	72·4	73·0	72·0	72·3	71·5
	27	70·3	70·0	70·0	70·7	71·6	72·6	72·8	72·9	71·8	72·0	72·4	72·8
	28	71·5	71·2	71·0	71·0	71·5	72·0	73·0	73·0	72·1	71·5	71·8	72.2
	29												
	30												
	31												

Date. Göttingen Mean Time.		WET BULB THERMOMETER.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
MARCH, 1846.	1												
	2	73°·6	73°·0	73°·0	72°·3	72°·9	73°·5	74°·0	74°·5	75°·0	75°·3	75°·0	75°·6
	3	73·7	73·2	73·5	73·2	74·4	75·2	76·0	75·3	74·9	75·2	75·7	75·0
	4	72·4	72 2	72·1	73·2	74·2	72·9	75·0	75·9	76·0	75·7	76·0	75·8
	5	71·9	71·0	70·4	71·4	72·0	73·0	74·2	74·0	75·4	75.3	75·0	74·2
	6	73·2	72·2	71·0	71·2	70·7	69·0	69·2	69·0	70·2	71·6	71·3	71·6
	7												
	8	67·5	66·5	67·0	69·8	70·0	69·5	70·0	72·0	74·0	73·9	74·0	74·0
	9	71·0	70·4	68·0	68·9	70·3	68 0	68·8	71·0	74·0	75·0	75·9	76·4
	10	72·5	72·0	70·5	72·7	72·2	73·5	73·4	73·6	74·0	75·7	75·3	76·0
	11	72·2	71·0	70·7	72·0	72·2	71·0	71·0	71·5	73·0	74·4	74·8	75·7
	12	73·4	72·0	72·3	72·3	71·6	72·0	73·5	74·0	74·5	75·4	74·6	74·9
	13	72·2	71·4	71·0	72·5	73·0	72·0	73·0	72·8	72·8	73·7	74·0	73·8
	14												
	15	68·4	68·0	65·3	64·2	64·2	63·0	65·9	65·4	69·0	71·2	73·0	73·7
	16	71·7	71·2	69·2	71·0	72·4	73·0	74·3	74·5	75·2	73·0	74·1	76·6
	17	70·9	71·0	70·8	70·5	72·2	72·0	72·8	72·5	73·0	73·0	73·3	74·0
	18	69·3	69·4	70·8	70·5	71·8	71·5	72·0	71·0	72·2	73·0	73·6	72·8
	19	70·8	71·3	71·9	72·0	73·0	73·2	74·2	73·5	73·5	74·3	74·1	74·8
	20	70·8	70·0	70·4	71·8	72·5	73 5	74·0	74.2	74·0	75·0	73·8	75·1
	21												
	22	71·5	71·4	69·8	69·7	70·7	73·0	74·2	76.4	78·0	79·4	78·8	77·0
	23	70·1	67·0	74·3	73·4	71·5	73·5	75·0	74·2	76·0	81.6	81·0	81·0
	24	76·9	76·0	75·3	76·6	77·4	78·0	78·0	78·0	78·8	78·9	79·5	79·8
	25	77·2	76·5	76·4	76·3	77·8	78·0	79·2	79·0	78·5	78·5	78·6	79·0
	26	76·6	76·3	76·3	76·4	76·3	77·8	78·0	77·8	77·2	78·0	78·0	78·9
	27	75·6	75·2	75·3	76·2	76·3	75·2	76·0	75·2	73·9	73·0	72 3	70·3
	28												
	29	73·0	73·0	72·0	72·0	72·3	71·0	71·7	74·0	75·0	75·3	76·0	76·2
	30	73·8	73·2	73·2	74·3	75·6	75·8	75·5	76·6	76·0	77·4	77·3	76·6
	31	74·0	74·0	73·8	74·4	74·4	74·5	74·5	74·9	75·0	75·2	75·7	75·6

Date. Göttingen Mean Time.		WET BULB THERMOMETER.											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
APRIL, 1846.	1	75°6	75°0	74°3	73°9	74°8	74°3	74°1	74°1	73°8	73°6	73°0	72°8
	2	74·0	73·2	72·9	72·9	73·0	73·3	73·0	73·0	73·0	73·2	73·1	73·3
	3	74·0	74·0	73·0	72·9	72·6	72·3	72·2	72·0	72·0	71·6	71·0	71·0
	4												
	5	74·2	73·4	73·5	73·5	74·4	74·5	74·8	73·5	74·0	73·9	73·6	73·7
	6	74·7	75·4	74·7	75·2	75·5	75·2	75·2	75·3	75·2	75·0	74·8	74·3
	7	76·7	76·3	76·2	76·0	76·0	76·3	76·1	75·9	75·1	75·0	74·6	74·6
	8	75·7	75·3	75·1	74·9	74·9	75·0	74·3	74·4	73·9	73·8	73·6	73·6
	9	77·7	77·4	76·7	76·4	76·4	76·7	76·6	75·2	75·9	75·6	75·4	75·5
	10	77·5	77·4	77·0	76·8	76·2	76·5	77·0	76·9	76·1	75·9	75·4	75·4
	11												
	12	77·8	77·5	77·3	77·0	76·4	77·0	76·7	77·0	76·9	76·7	76·0	76·7
	13	79·7	79·9	77·3	76·2	76·6	77·0	78·0	78·0	77·6	77·8	77·9	77·9
	14	75·2	76·9	75·4	75·3	75·1	74·0	76·0	75·4	75·0	74·6	74·4	74·9
	15	76·2	76·3	76·0	76·0	76.2	76·5	77·0	77·0	76·5	76·9	76·0	75·8
	16	78·4	78·2	77·3	77·1	77·3	77·3	77·5	77·0	76·7	76·0	76·0	75·4
	17	77·5	77·2	76·2	76·2	76·2	76·2	76·0	76·2	76·0	75·8	75.6	75·5
	18												
	19	79·0	78·4	77·7	77·0	76·0	75·6	75·0	74·6	74·0	73·7	73·4	74·5
	20	75·1	75·2	75·6	75·0	75·2	75·5	75·2	75·0	74·2	74·8	72·2	72·2
	21	75·0	74·4	74·7	75·0	72·8	73·5	74·7	75·0	73·0	72·9	73·6	72·0
	22	76·9	76·4	75·8	75·2	75·2	75·2	75·3	75·3	74·2	72·2	77·0	75·0
	23	79·2	79·2	79·2	78·0	77·8	79·0	78·5	78·0	79·0	78·3	78·2	77·6
	24	80·3	80·3	81·2	81·1	79·3	79·5	80·0	80·0	80·3	80·8	80·6	79·7
	25												
	26	81·8	81·4	81·2	80·3	80·3	80·2	80·1	79·3	78.0	76·4	74·7	70·6
	27	79·6	80·3	80·0	79·0	79·0	79·0	78·3	79·0	79·0	78·6	79·1	77·0
	28	79·7	78·8	77·8	76·0	75·3	76·0	75·0	72·9	74·0	75·8	75·7	74·5
	29	78·0	77·2	78·3	78·4	79·0	79·0	78·9	78·1	78·1	78·0	77·8	77·0
	30	80·0	80·1	79·8	79·9	80·0	80·0	80·0	80·0	79·9	79·0	79·0	78·9
	31												

Date. Götting en Mean Time.		WET BULB THERMOMETER.											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
MAY, 1846.	1	81°0	80°8	80°5	80°4	80°2	80°0	80°0	79°5	78°9	78°8	78°0	77°9
	2												
	3	79·4	78·8	79.5	79·3	79·3	79·5	79·0	79·0	79·0	79·0	79·0	78·6
	4	81·6	80·5	80·3	80·2	80·5	80·6	80·0	80·0	79·0	79 9	79·2	78·9
	5	78·9	79·2	79·2	78·9	79·2	79·0	78·2	78·3	78·0	77·5	77·2	77·0
	6	80·2	80·2	79·9	79·2	79·4	80·0	80·0	80·0	80·0	80·0	79·4	78·9
	7	80·8	80·2	79·5	80·0	80·2	80·0	80·0	79·0	79·0	78·0	78·2	77·7
	8	79·5	78·8	78·8	78·8	78·2	78·5	77·3	78·0	77·7	77·9	77·7	77·7
	9												
	10	80·1	80·2	80·0	79·8	80·8	80·0	80·0	80·0	79·0	79·0	79·0	79·0
	11	81·2	81·4	80·6*	—	—	—	—	—	—	—	—	—
	12	82·0	81·0	80·6	81·2	80·5	80·0	80·0	78·5	78·7	77·5	79·0	77·6
	13	82·5	81·5	82·0	82·0	82·0	82·0	82·0	82·0	81·6	81·5	80·8	80·7
	14	82·0	81·0	80·4	80·2	81·9	82·2	81·9	81·5	81·0	81·0	80·0	80·0
	15	82·2	82·5	81·8	81·3	81·0	81·5	81·0	80·0	79 5	78·4	78·2	78 0
	16												
	17	81·5	80·5	80·3	80·0	80·3	80·4	79·8	80·0	79·1	79·5	79·8	79·7
	18	81·0	81·5	80·8	80·1	80·0	79·8	79·1	80·0	79·0	79·5	78·9	79·0
	19	81·9	81·6	80·4	80·2	79·2	81·0	80·8	80·0	80·9	79·9	79·7	79·9
	20	83·3	81·5	81·0	80·2	79·2	79·8	79·7	80·0	79·7	79·8	79·4	79·2
	21	81·7	81·5	80·5	80·0	80·0	80·2	80·0	80·0	80·0	79·6	79·2	79·7
	22	81·0	80·5	80·8	80·0	79·4	80·0	80·0	79·7	79·7	80·0	80·0	79·9
	23												
	24	81·5	81·0	80·8	80·0	80·2	80·0	79·8	80·0	80 5	80·2	79·9	80·0
	25	83·0	82·0	81·0	80·5	80·2	80·2	80·0	80·0	80·0	80·2	79·9	79·7
	26	84·0	81·8	81·5	80·0	80·2	80·0	80·8	80·0	81·0	81·0	80·4	80·5
	27	81·0	80·5	80·5	79·9	80·0	80·0	79·8	79·0	79·7	79·6	79·5	78·5
	28	81·0	81·0	79·4	79·5	79·0	78·9	79·0	79·0	79·0	79·3	78·2	78·4
	29	81·4	81·0	80·0	79·9	79·2	79·2	79·0	79·0	78·9	78·6	78·4	78·5
	30	81·4	81·0	80·5	80·0	79·3	80·0	80·0	80·0	79·8	79·8	79·7	79·6
	31												

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* Wet Bulb Thermometer was removed from the Observatory room to a temporary shade of Cajane, outside the Observatory in the S W. direction. Observations in the new position began at Noon the next day.

WET BULB THERMOMETER.

Date.	Göttingen Mean Time.	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
APRIL, 1846.	1	72°·6	72°·2	72°·2	73°·4	74°·0	75°·4	73°·5	74°·1	73°·5	74°·2	74°·2	74°·2
	2	72·8	73·0	73·0	73·9	74·4	75·5	75·8	75·0	75·4	75·6	75·1	74·6
	3	70·8	70·5	70·2	71·9	73·5	73·9	73·9	73·0	73·0	72·7	73·8	74·0
	4												
	5	72·9	72·9	73·2	73·2	73·6	74·3	75·0	75·3	75·8	75·4	75·7	75·5
	6	74·0	74·0	73·8	74·5	75·3	74·9	74·7	75·0	76·1	76·6	76·4	76·6
	7	73·8	74·2	74·6	75·8	75·7	76·5	77·0	76·0	77·0	77·0	77·0	76·4
	8	74·0	74·2	73·9	74·5	74·2	75·0	75·0	76·0	76·7	77·1	77·6	77·2
	9	75·6	75·3	75·3	75·3	75·6	76·1	76·7	75·6	76·9	77·6	78·0	77·5
	10	75·0	75·0	75·2	76·0	76·3	76·5	77·2	76·9	76·5	76.4	76·9	76·3
	11												
	12	76·4	76·0	75·8	75·8	75·7	76·6	77·2	77·8	78·5	79·0	78·9	79·4
	13	77·9	77·0	76·5	77·0	76·9	79·2	79 0	78·6	77·9	76·7	75·9	75·6
	14	75·4	73·5	75·0	76·3	76·2	76·4	77·0	78·7	78·0	77·9	77·9	76·9
	15	74·8	73·4	74·4	76·4	75·9	76·0	77·2	78·0	78·0	78·6	78·7	78·6
	16	75·3	75·2	75·3	75·8	76·5	76·5	76·6	77·0	77·5	77·9	77·8	77·4
	17	74·6	75·2	75·8	76·2	76·3	76·2	77·0	77·6	78·0	78·0	78·7	78·9
	18												
	19	75·3	76·0	75·4	76·2	76·3	77·0	76·7	76·9	76·0	74·9	74·0	74·7
	20	72·2	72·2	72·5	73·8	74·8	74·8	74·6	74·0	74·5	75·6	75·9	74·9
	21	71·9	72·0	72·4	73·3	74·0	73·7	74·1	76·0	78·0	78·9	79·0	78·7
	22	75·8	76·3	76·2	78·0	78·1	76·0	79·0	80·0	80·0	79·9	79·3	79·6
	23	77·0	77·4	76·5	77·9	78·8	82·0	78·1	81·0	81·5	81·0	81·0	81·2
	24	79·1	79·0	79·5	79·9	80·2	80·9	82·0	81·7	81·0	81·3	81·9	80·7
	25												
	26	72·0	74·2	74·3	76·0	75·2	75·6	77·0	79·0	79·2	79·6	79·8	79·0
	27	77·2	76·2	78·0	77·5	77·0	74·6	77·0	79·7	81·1	81·0	80·7	79·7
	28	72·8	72·8	74·0	75·3	77·5	78·5	79·0	79·8	79·0	78·9	79·9	79·4
	29	77·0	76·2	76·2	77·0	77·0	76·5	77·6	78·0	78·3	78·8	79·2	80·0
	30	78·3	78·0	77·3	78·3	78·4	79·0	79·0	80·2	80·5	80·4	80·5	81·0
	31												

WET BULB THERMOMETER.

Date.	Göttingen Mean Time.	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
MAY, 1846.	1	78°·0	77°·5	77°·8	79°·5	80°·0	80°·8	80°·8	80°·0	79°·0	79°·0	79°·8	80°·5
	2												
	3	78·5	78·0	78·3	78·9	79·8	79·0	79·2	80·0	79·9	80·0	81·0	81·7
	4	78·9	79·0	79·0	79·5	80·2	81·0	80·8	81·7	79·0	79·0	79·5	78·9
	5	77·0	76·3	77·2	77·8	79·2	80·0	80·1	80·0	80·2	80·4	79·6	80·2
	6	78 0	78·7	78·2	78·4	79·0	78·5	79·2	79·2	80·0	79·7	80·5	80·8
	7	77·8	77·9	78·2	79·0	79·8	80·2	80·0	80·4	80·5	80·3	80·7	80·1
	8	77·6	77·2	77·8	79 0	79·7	80·0	79·0	79·3	81·0	80·0	80·0	79·3
	9												
	10	79·0	78·7	78·5	79·3	80·3	80·3	80·0	80·6	80·0	81·0	80·8	81·5
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	79·2	80·5	80·5	83·0	82·0	82·3	83·0	84·0	83·7	83·8	83·4	83·9
	13	80·4	80·0	81·0	80·0	81·0	82·3	84·8	84·1	85·0	84·7	84·4	83·3
	14	81·0	80·4	81·4	81·4	82·0	82·6	83·0	83·1	83·0	83·2	83·0	83·6
	15	77·7	77·0	78·5	80·0	80·4	80·1	82·0	81·0	81·8	81·2	80·4	80·2
	16												
	17	78·5	79·0	79·5	80·0	80·4	81·2	81.4	81·0	82·0	81·6	82·0	81·0
	18	79·0	79·0	79.4	80·0	80·3	82 0	82·1	82·6	82·7	82·3	83·2	82·0
	19	80·0	80·2	80·0	81·0	81·4	82·0	83·8	83·9	83·2	82·4	83·0	82·4
	20	79·4	79·0	79·5	81·0	81·5	81·5	81·6	82·0	82·7	82·0	82·2	82·6
	21	79·2	79·2	80·0	81·4	80·3	82·0	82·0	81·0	81·4	82·2	82·2	81·8
	22	79·9	79·3	80·0	80·3	81·2	81·6	82·0	83·3	82·6	83·0	83·1	82·1
	23												
	24	79·8	79·8	80·0	81·0	81·5	82·3	83·2	83·0	83·0	83·5	83·8	83·2
	25	79·7	79·2	80·2	81·5	80·5	82·0	82·2	83·0	83·3	84·7	82·5	83·3
	26	79·7	79·2	80·3	80·2	81·5	82·0	82·2	82·0	83·0	82·8	83·0	82·9
	27	78·5	79·0	78·5	80·0	80·5	81·0	82·0	82·0	81·5	81·8	81·0	82·0
	28	78·8	78·3	78·0	79·0	80·4	80·2	80·7	81·0	82·1	81·6	81·9	81·4
	29	77·7	78·4	78·4	79·3	79·6	81·0	80·9	81·0	80·9	80·8	81·0	81·3
	30	79·5	79·0	80·2	81·3	82·4	81·5	82·0	81·5	82·0	82·3	82·3	82·3
	31												

WET BULB THERMOMETER.

	Date. Göttingen Mean Time.	Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
JUNE, 1846.	1	83°·5	82·0	82°·0	81·1	81°·2	81°·2	80·9	81°·0	81°·0	80°·8	80·5	80°·2
	2	83·2	82·4	82·0	81·1	80·0	80·6	80·0	81·4	81·0	81·2	80·9	78·8
	3	84·0	83·0	82·8	82·0	81·5	81·6	81·0	80·9	81·3	80·0	79·7	79·2
	4	82·8	82·7	81·8	81·3	80·5	81 0	81·4	81·2	80·8	80·9	82·0	83·1
	5	82·0	80·5	80·0	80·0	80·0	80·1	80·0	80·0	79·8	79·9	79·6	80·0
	6												
	7	81·6	81·8	81·0	80·2	81·0	80·1	80·4	80·1	80·8	80·3	80·4	80·4
	8	82·8	81·2	81·0	80·0	80·0	79·5	79·0	79 5	79·1	78·0	78·5	78·9
	9	81·0	81·0	80·4	80·5	78·0	78·0	78·2	78 0	78·5	78·6	79·7	78·8
	10	81·8	81·2	80·5	80·5	80·2	79·8	77·2	78·2	79·2	79·0	78·2	78·8
	11	79·9	79·9	80·0	79·0	79·0	79·2	80·0	79·1	79·3	79·9	79·8	79·0
	12	81·0	80·5	78·5	78·2	78·5	80·0	79·8	80·0	79·9	79·2	79·2	79·2
	13												
	14	81·5	81·8	81·0	80·5	77·0	77·8	78·9	80·2	79·8	79·7	79·9	79·7
	15	82·6	81·5	81·0	80·2	81·0	80·2	80·0	80·0	80·0	80·3	80·0	80·0
	16	80·0	81·0	81·1	80·2	81·2	80·9	80·0	80·0	81·0	81·0	80·6	81·0
	17	78·2	80·0	76·0	78·0	77·9	77·2	76·0	77·5	77·0	78·1	79·3	78·9
	18	77·9	76·2	77·4	74·0	73·9	74·0	74·2	75·1	74·8	75·2	75·5	75·6
	19	81·2	82·0	80·8	80·3	80·2	80·5	80·0	80·0	80·0	80·0	79·9	79·5
	20												
	21	79·5	79·0	79·0	79·0	76·5	78·0	79·8	80·0	79·7	79·0	79·5	79·3
	22	80·2	80·2	79·5	80·0	79·2	79·7	76·5	79·2	78·5	79·0	78·0	78·0
	23	80·0	78 2	79·0	79·0	78·2	78·4	78·0	79·2	79·0	77·2	78·9	78·1
	24	81·0	80·5	80·4	80·4	79·9	80·0	80·5	80·5	80·3	80·0	80·0	79·0
	25	79·7	79·5	78·5	78·0	77·5	78·8	78·0	78·1	78·0	78·0	77·0	77·0
	26	78·8	79·2	79·0	78·9	78·9	78·5	79·8	79 9	79·0	78·6	78·8	78·4
	27												
	28	82·5	81·2	80·4	80·0	78·0	78·0	80·0	80·1	79·2	80·0	79·7	79·9
	29	81·4	80·7	79·0	77·0	78·0	77·0	78·4	79·9	79·4	79·0	79·5	79·0
	30	80·4	79·0	80·2	79·0	77·8	78·0	77·9	80·0	79·6	79·7	79·0	79·2
	31												

WET BULB THERMOMETER.

	Date. Göttingen Mean Time.	Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
JULY, 1846.	1	81°·6	80°·5	78·0	78°·0	79°·0	79°·0	79°·8	79°·0	77°·3	79°·4	79·0	79°·6
	2	78·8	78·3	78·5	78·9	78·2	79·0	78·5	79·0	78·2	77·7	77·7	78·4
	3	80·7	80·0	78·9	79·0	78·8	79·0	79·0	79·0	79·0	78·9	78·6	78·4
	4												
	5	80·2	80·0	79·2	79·0	79·0	78·9	76·0	78·9	78·4	77·7	77·9	77·8
	6	81·0	79·3	80·0	79·0	79·0	79·0	78·0	78·5	78·0	78·4	77·9	77·8
	7	79·9	79·2	79·0	78·8	78·8	78·3	78·8	78·5	78·7	78·9	78·0	78·0
	8	80·6	80·0	80·0	80·2	79·0	79·0	79·9	79·0	78·9	78·4	78·2	78·7
	9	82·0	81·2	80·0	79·2	78·9	79·0	78·6	79·0	78·1	79·0	78·5	78·5
	10	80·5	79·3	79·3	79·2	78·8	79·0	78·2	79·0	79·4	78·9	78·7	78·9
	11												
	12	80·0	80·5	80·2	80·2	80·0	80·1	80·3	80·0	80·0	80·0	80·4	80·5
	13	80·2	80·2	79·7	79·9	79·0	79·1	79·0	78·9	78·8	79·1	78·9	76·8
	14	81·5	81·0	80·1	79·2	79·9	79·3	80·5	79·5	79·2	79·5	79·8	78·4
	15	80·3	78·9	79·0	79·2	78·0	77·0	76·7	77·6	76·7	77·0	77·0	76·4
	16	74·0	77 5	79·0	74·0	75·9	76·2	75·7	77·0	77·2	77·0	75·4	74·3
	17	77·0	77·5	76·3	77·4	77·0	76·5	77·2	75·2	77·5	78·2	79·0	78·8
	18												
	19	78·8	77·3	78·3	77·9	78·0	76·7	78·2	77·5	76·0	76·9	75·8	75·8
	20	78·1	79·0	77·0	75·9	77·0	78·0	77·0	77·0	77·0	76·8	76·1	77·0
	21	78·5	78·0	77·6	77·3	76·0	77·2	77·5	77·8	78·0	77·6	78 7	78·4
	22	80·0	78·0	78·0	78·0	78·0	78·7	78·0	77·0	78·0	77·0	78·0	75·9
	23	78·2	79·2	78·2	78·0	78·0	78·2	79·0	79·0	79 0	78·7	78·9	78·0
	24	77·0	76·4	77·0	77·0	77·0	77·2	77·0	76·2	77·6	78·4	78·8	78·9
	25												
	26	78·5	78·5	77·3	77·0	78·5	78·0	79·0	78·2	78·0	78·0	78·4	77·4
	27	78·8	78·0	78·0	77·5	78·0	77·0	78 0	78·0	78·0	77·8	78 0	77·8
	28	79·0	78·2	78·0	76·0	77·9	78·0	77·2	77·0	78·0	77·4	77·4	77·6
	29	77·8	78·2	78·0	78·0	78·0	78·0	78·0	78·2	78·1	78·1	78·2	77·8
	30	78·1	78·0	78·3	77·9	78 0	78·0	78·0	77·6	78·0	77·5	77·0	78·0
	31	80·6	79·2	78·6	78·0	78·0	78·0	77·8	78·0	78·1	78·5	77·2	77·4

Date. Göttingen Mean Time.		WET BULB THERMOMETER.											
		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
JUNE, 1846.	1	80·7	79°·5	81°·2	81·0	83°·0	80°·8	82°·2	82°·8	83°·1	83°·6	83°·5	84°·4
	2	79·8	80·0	80·0	80·2	81·4	82·0	83·0	82·8	83·0	83·0	83·0	83·6
	3	79·4	80·0	80·5	81·0	82·3	82·7	82·8	83·0	83·2	83·0	84·0	83·2
	4	83·5	80·0	80·5	82·5	82·0	81·1	83·0	83·0	83·0	82·6	81·6	81·6
	5	79·7	79·5	79·2	79·3	79·2	79·4	82·0	81·0	80·8	81·0	81·3	82·0
	6												
	7	79·6	80·0	81·0	81·0	80·5	80 9	81·2	81·2	81·0	81·1	81·0	81·7
	8	78·8	78·8	80·5	80·5	80·2	81·9	82·7	83·9	81·2	80·9	80·8	81·3
	9	78·8	78·9	79·0	79·4	80·0	80·2	80·6	82·0	82·7	83·1	82·6	81·3
	10	79·0	78·0	79·2	79·5	80·2	80·0	82·0	82·0	81·5	80·0	80 2	80·0
	11	79·0	79·0	79·0	79·2	79·2	80·0	81·0	81·0	81·0	80·8	80·4	80·2
	12	79·7	79·2	79·0	79·0	79·0	78·5	77·5	78·3	77·3	77·8	78·4	78·9
	13												
	14	79·5	80·0	80·5	81·0	81·8	82·6	83·0	83·2	82·7	82·9	82·8	82·4
	15	80·4	79·9	81·0	81·0	81·2	82·9	82·0	82·9	81·3	82·6	83·6	81.7
	16	81·5	80·1	81·0	81·0	80·0	81·2	79·9	79·0	80·7	77·3	78·5	78·3
	17	79·4	74·9	75·0	73·0	74·5	74 9	75·5	76·0	76·5	75·8	77·9	77·1
	18	75·7	75·0	75·0	76·0	76·8	78·0	78·9	78·5	80·0	80·0	80·2	80·0
	19	80·0	79·4	80·0	80·3	81·0	81·8	82·2	83·0	83·5	83·3	82·9	81·7
	20												
	21	79·0	78·0	79·0	79·5	80·0	80·0	81·1	81·2	81·5	82·2	82·5	82·0
	22	78·6	78·2	78·5	78·4	79.0	80·5	81·0	81·5	82·0	81·8	82·0	81·2
	23	77·0	76·5	78·0	78·3	78·0	79·0	80·0	80·7	79·7	81·2	81.3	81·0
	24	79·8	79·2	80·0	78·0	81·4	80·0	78·0	80·2	81·1	81·5	82·0	81·0
	25	76·8	77·5	78·0	77·2	77·8	78·0	76·5	78·1	78·7	79·0	79·1	79·7
	26	78·0	78·2	80·0	79·0	79·0	80·0	79·2	79·5	80·2	80·0	81·0	79·0
	27												
	28	79·6	78·9	80·0	79·3	80·4	78·5	80·5	80·8	80·0	78·4	82·3	80·4
	29	79·0	79·0	79·2	80·0	80·2	80·1	81·1	80·2	82·0	81·5	82·5	81·4
	30	79·6	79·2	79·0	79·2	80·0	79·9	81·0	81·0	80·5	78·5	81.2	79·7
	31												

Date. Göttingen Mean Time.		WET BULB THERMOMETER.											
		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
JULY, 1846.	1	79°·4	79°·0	78°·5	78°·5	79°·4	80°·0	79°·0	79°·5	79°·0	78°·8	79°·2	79°·0
	2	78·4	78·0	78·3	78·8	75·3	78·0	78·0	79·8	80·5	79·0	78·8	80·0
	3	78·5	78·2	78·9	79·5	80·4	81·2	82·0	81·8	81·0	82·3	82·0	81·4
	4												
	5	77·2	77·5	78·0	79·2	80·0	80·5	81·2	82·0	81·0	80·6	81·4	81·8
	6	77·3	78·9	78·5	79·2	78·3	79·7	81·0	81·3	81·4	81·7	81.4	80·2
	7	78·2	77·8	78·0	78·8	79·4	79·2	79.4	82·0	82·0	82·1	81·5	81·2
	8	77·7	78·2	78·4	79·9	79·8	81·4	81.7	81·3	81·0	82·8	81·7	81·5
	9	78·5	79·2	79·3	80·0	81·2	82·5	82·2	81·6	82·2	82·5	81·7	81·4
	10	78·4	78·2	79·3	80·5	81·2	81·5	81·2	82·2	82·2	83·0	82·0	81·3
	11												
	12	80·4	80·0	79·8	79·8	81·2	79·0	79·2	81·1	81·6	80 4	80·4	80·4
	13	76·3	77·0	77·9	78·0	79·0	79·0	84·8	80·2	80·0	80·4	80·8	81·1
	14	78·4	79·0	78·5	79·2	79·5	81·0	81·0	80·6	81·2	81·0	80·5	81·2
	15	77·8	76·2	78·2	77·4	77·3	77·3	79·3	79·0	80·0	81·0	80·4	77·2
	16	77·0	77·9	78·0	77·9	79·2	76·9	80·0	78·5	78·8	79·2	76·0	77·0
	17	78·7	78·0	77·9	78·5	77·4	76·1	78·8	80·0	79·2	80·0	77·6	76·6
	18												
	19	77·0	77·0	77·5	77·2	77·3	77 9	78·0	78·0	78·8	78·7	77·1	76·0
	20	76·8	76.0	78·0	78·3	77·9	76·5	77·5	78·1	77·8	75·0	78 3	78·6
	21	78·0	78·2	76·4	78·0	78·0	78·5	79·0	77·7	79·8	77·9	78·5	79·3
	22	76·6	78·0	78·5	77·5	79·8	81·2	80·5	81·7	80.6	81·3	81·4	80·9
	23	78·2	78·9	79·0	77·0	78·3	80·2	80·5	78·5	77·0	78·2	77·1	76·2
	24	78·5	78·9	79·0	78·8	79·0	77·8	77·7	77·2	77·0	77·0	77·5	78·2
	25												
	26	78·8	78·0	77·2	78·3	79·0	78·5	79·5	80·3	80·2	80·2	79·4	78·6
	27	77·2	77·0	78·0	78·2	78·0	79·0	78·2	80·0	80·2	79·2	79·2	79·0
	28	78·0	78·2	78.2	75·0	76·0	78·2	77·0	77·9	79·3	78·4	79·2	78·7
	29	78·0	77·5	78·8	78·0	78·0	78·0	78·5	76·5	78·4	79·0	77·9	78·6
	30	78·0	78·0	77·9	78·4	79·2	78·8	79·5	80·2	80·4	79·5	79·5	80·0
	31	77·9	75·5	77·4	77·5	77·5	79·2	78·0	78·6	79·7	77·7	79·2	76·9

Date. Göttingen Mean Time.		WET BULB THERMOMETER.											
		Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
AUGUST, 1846.	1												
	2	80°0	80°0	79°2	78°8	78°8	77°6	78°3	78°1	77°5	77°8	77°7	77°6
	3	79.8	80.0	77·9	78·8	78·5	78·2	78·2	77·9	77·7	77·8	77·7	77·6
	4	79·3	79·4	78·5	78·0	78·3	78·0	77·2	77·5	77·6	77·4	77·0	78·0
	5	80·0	78·5	78·2	78·2	78·0	77·5	77·5	76·4	77·0	77·0	76·7	77·3
	6	79·5	79·0	78·0	78·0	77·8	77·1	77·1	77·0	77·1	77·1	76·7	77·3
	7	78·8	78·4	78·6	78·2	77·7	78.0	78·4	78·1	77·2	78·5	77·8	77.4
	8												
	9	78·5	78·0	77·0	77·0	77·0	77·0	77·0	76·9	77·0	76·0	76·8	77·0
	10	78·0	77·4	77·4	77·0	77·0	77·0	77·1	77·6	77·0	76·9	77.0	77·0
	11	78·4	78·5	77·8	77.9	77·2	77·2	77·0	77·1	78·0	77·6	77.5	77·9
	12	79·2	76·9	77·2	77·9	77·0	77·1	78·0	78·1	77·0	78·0	76·2	77·0
	13	79·0	78·5	78·3	78·8	77·2	78·1	78.0	78.0	78·0	77·9	77·6	77·8
	14	77·9	76.5	77·8	76·0	77·0	77·0	77·2	78·0	77·6	78·0	77·0	77·0
	15												
	16	77·8	78·0	76·0	77·0	77.0	77·0	77·3	77·6	77·9	78·0	77.8	76·0
	17	79·0	78·5	77·0	77·0	77·0	78·0	77·1	77·1	76·0	76·1	77·0	77·5
	18	79·2	78·3	77.2	77·2	77·2	76·0	76·9	76·6	75 5	76·6	76·9	77·7
	19	78·5	78·0	78·0	77·5	78·0	78·0	77·1	77·1	77·0	77·8	77·8	78·0
	20	78·0	76·0	77·5	77·0	78·0	78·2	78·0	77·0	77·6	77·6	75·6	77·4
	21	80·0	79·0	79·0	78·0	78·0	78·1	78·0	78·0	78·0	78·6	79·0	78·0
	22												
	23	79·0	77·0	77·4	77·0	77·0	77·7	77·8	77·0	77·1	77·9	77·0	77·0
	24	79·2	77·5	76·8	76·5	76·0	76·6	76·6	77·2	77·1	77·2	76·4	76·4
	25	79·5	79·0	78·0	77·0	77·0	77·2	76·4	76·7	76·4	76·5	76·5	76·7
	26	78·6	78·0	77·0	76·2	77·0	76·0	77·0	76·9	76·7	75·6	75·9	76·1
	27	78·4	76·5	77·0	77·0	77.0	76·2	77·0	76·7	76·4	77·0	76·4	76·0
	28	79·0	77·0	77·8	77·8	77·2	77·0	77·1	77·8	77·8	77·5	74·9	74·6
	29	79·6	78·0	77·5	77·2	77·0	76·2	76·3	76·0	77.3	76·8	76·5	76·6
	30												
	31	76·5	77·0	77·2	77·0	77·0	77·2	77·0	77·4	76·6	76.9	77·9	76·0

Date. Göttingen Mean Time.		WET BULB THERMOMETER.											
		Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
SEPTEMBER, 1846.	1	80°7	79°0	78°2	77°0	78°0	77°4	76°0	77°3	76°8	76°6	76°7	76°5
	2	79·4	78·2	76·0	77·0	78·0	77·4	77·3	77·5	77·2	77·8	77·0	77·1
	3	79·6	78·2	77·2	77·0	77·2	76·0	76·0	75·3	76·4	77·2	77·0	76·4
	4	79·9	79·0	79·0	77·0	77·0	76·2	75·7	77·6	75·8	77·0	76·7	76·0
	5												
	6	79·0	78·9	77·0	76·0	76·0	77·8	77·0	77·1	76·6	76·6	77·0	76·5
	7	80·0	78·2	77·8	77·0	77·0	78·0	78·0	77·3	78·0	77·2	76·6	77·3
	8	79·8	78·7	77·9	77·8	77·5	77·3	77·7	77·6	77·5	77.0	77·6	76·5
	9	79·9	79·2	77·2	77·2	77·0	76·7	75·4	77·7	75·0	77·4	77·0	77·0
	10	79·0	78·0	77·9	77·0	76·2	77·2	75·8	76·6	77 2	77·7	77·6	77·6
	11	79·0	79·2	79·0	78·0	78 0	77·8	78·4	78·0	77·1	77·0	77·4	77·4
	12												
	13	79·8	79·2	78·8	78·5	78·0	78·0	78·0	78·0	78·0	77·0	77·2	77·0
	14	79·8	78·3	78·0	77·0	77·0	77·9	77·2	76·5	76·4	77·6	77·4	77·9
	15	79·2	79·0	78·5	77·9	78·0	78·1	78·1	76·5	77·7	77·2	76·2	77·8
	16	78·4	78·0	78·0	77·0	76·0	77·7	77·4	77·5	78·0	77·5	77·2	77·0
	17	75·5	77·2	77·3	77·0	77·2	77·7	76·0	76·8	77·5	77·0	77·0	77·0
	18	79·2	78·4	78·2	77·0	78·0	78·0	77·9	77·5	78·1	77·6	77·0	75·2
	19												
	20	75 5	77·0	75·5	75·5	77·0	76·4	73·5	74·0	74·2	75·0	76·4	76·0
	21	78·4	75·0	74·0	74·9	75·1	75·5	76·0	76·5	76·5	76·0	76·0	75·9
	22	77·6	77·0	76·2	77·0	76·2	76·3	76·3	76·2	75·3	75·9	76·1	76·4
	23	77·8	77·5	74·2	75·3	76·3	76·0	75·3	75·7	75·5	75·2	75·4	74·6
	24	77 2	76·2	76·3	76·3	75·8	75·0	75·0	76·0	75·2	75·7	75·0	75·0
	25	77·2	77·0	75·5	75·2	75·2	75·0	74·5	74·2	74·3	74·8	75·0	76·0
	26												
	27	77·0	76·0	75·5	75·8	76·0	75·0	75·0	75·0	74·5	74·5	75·0	74·0
	28	78·0	77·8	76·0	76·0	76·0	76·0	76·0	75·0	75·0	75·5	75·7	75·3
	29	78·6	77·0	76·5	77·0	77·0	76·8	77·0	76·2	75·5	76·0	75·7	75·0
	30	76·0	76·0	75·0	75·1	74·8	75·6	74·5	75·1	75·0	75·0	74·2	75·0
	31												

WET BULB THERMOMETER.

Date.	Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
AUGUST, 1846.	1												
	2	77°·2	77°·4	77°·2	77°·5	79°·6	79°·9	80°·8	80°·9	81°·8	82°·0	81°·5	81°·0
	3	77·7	77·2	77·0	77·9	78·8	80·5	79·6	80·5	80·4	80·2	80·3	78·8
	4	77·2	77·2	76·5	78·0	78·2	79·7	80·0	79·1	79·6	81·0	80·7	80·0
	5	75·6	77·0	77·0	78·0	78·2	78·5	80·1	79·8	81·0	80·6	81·0	79·9
	6	77·0	77·5	77·0	77·0	78·8	78·8	79·0	79·5	79·2	79·0	79·2	80·0
	7	77·9	77·0	77·9	77·8	78·5	79·8	80·0	80·9	80·8	80·2	81·0	78·8
	8												
	9	77·0	75·2	77·0	77·0	77·0	77·9	77·5	79·9	78·9	80·0	79·6	79·8
	10	76·7	76·2	76·5	77·0	78·5	78·5	78·0	79·0	80·0	80·0	79·9	80·4
	11	77·8	77·5	77·9	77·5	76·0	79·2	79·7	80·3	79·7	79·7	79·6	78·2
	12	76·5	76·5	76·5	77·0	75·5	78·1	79·3	80·7	80·0	79·9	79·9	80·6
	13	77·2	77·0	77·0	77·0	78·4	78·0	79·0	79·8	79·0	80·4	80·4	79·6
	14	77·0	78·5	77·0	75·8	78·0	76·5	75·8	79·0	77·0	77·0	77·6	79·0
	15												
	16	77·2	77·2	77·2	77·5	78·9	79·0	78·7	79·1	79·0	77·6	77·0	78·9
	17	77·0	77·0	77·4	77·4	79·0	79·2	79·5	78·5	79·8	79·4	80·1	80·0
	18	76·1	77·0	77·3	77·0	78·0	79·0	78·1	80·8	78·3	76·8	77·3	78·0
	19	78·8	77·0	76·2	78·3	79·0	79·7	78·5	79·0	77·1	79·0	80·5	80·0
	20	77·0	76·0	76·5	77·2	77·8	77·9	79·6	80·9	79·3	79·5	79·8	80·0
	21	77·5	77·0	77·0	78·0	77·4	78·0	78·8	78·9	79·6	80·0	80·7	80·2
	22												
	23	77·0	77·0	77·0	77·2	77·0	77·0	79·0	80·1	80·8	80·0	80·0	78·8
	24	76·7	76·0	77·0	77·0	78·2	80·0	80·5	81·0	79·8	81·0	81·0	80·8
	25	76·0	76·0	76·0	77·2	78·2	79·2	79·3	80·5	80·8	80·0	80·3	79·6
	26	76·0	75·8	76·0	75·5	77·0	77·6	78·0	79·3	76·5	76·9	78·3	78·2
	27	74·0	76·0	76·5	78·0	79·0	79·8	79·8	80·0	79·1	80·2	80·6	79·5
	28	74·7	77·2	77·3	78·0	78·0	79·2	80·2	80·0	80·2	80·7	81·0	79·6
	29	76 0	76·2	77·0	78·0	78·4	79.2	80·0	80·0	78·0	75·5	76·2	76·4
	30												
	31	77·0	76·3	76·2	77·0	79·0	79·0	78·0	79·0	78·6	80·2	79·4	78.7

WET BULB THERMOMETER.

Date.	Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
SEPTEMBER, 1846.	1	76°·5	76°·5	77°·5	77°·8	78°·8	80°·0	81°·0	77°·6	81°·2	81°·2	80°·4	80°·0
	2	76·8	76·4	77·0	76·9	78·5	79·3	79·0	79·6	80·5	79·0	81·0	79·4
	3	76·5	76·0	76·4	77·9	78·2	80·3	79·0	80·8	80·6	80·0	79·5	79·5
	4	75·8	75·0	76·0	77·0	77·5	78·4	80·6	78·3	77·8	78·0	79·8	80·0
	5												
	6	76·5	77·0	77·2	77·2	78·5	80·0	79·2	80·0	79·8	80·8	81·2	80·8
	7	77·0	77·0	77·0	78·0	78·2	79·0	80·0	80·5	80·5	81·9	81·2	79·2
	8	76·9	77·0	77·2	78·0	79·2	79·6	80·0	81·0	80·3	81·4	79·0	80·2
	9	77·0	77·2	77·8	77·5	76·2	77·7	79·0	79·0	79·9	79·5	79·0	79·1
	10	77·6	77·3	77·6	78·0	77·5	80·2	78·0	81·3	80·2	80·5	80·2	80·4
	11	77·3	77·0	77·3	76·0	78·3	80·1	79·6	80·0	80·6	80·5	79·3	80 6
	12												
	13	77·0	77·0	77·5	78·0	78·4	79·9	80·0	80·3	78·7	79·5	80·8	81·3
	14	77·5	77·5	77·5	78·0	78·9	78·9	79·3	76·7	80·2	80·8	79·0	80·0
	15	77·0	77·0	77·9	78·6	79·0	78·5	79·8	79·8	78·5	79 0	77·2	77·4
	16	77·5	77·2	77·5	78·0	79·0	78·0	79·0	77·5	78·5	78·0	76·0	75·8
	17	77·2	77·0	76·4	77·4	76·0	78·5	80·0	80·2	79·5	79·0	79·4	80·7
	18	75·5	75·6	77·0	77·6	79·1	78·0	79·8	80·0	80·0	80·0	79·1	78·3
	19												
	20	76·5	76·5	75·5	76·5	71·8	75·2	76·5	73·0	74·5	76·6	76·5	76·8
	21	76 1	75·5	75·8	77·5	—	—	—	—	78·0	79·0	80·2	79·6
	22	75·4	75·0	75·8	77·5	—	—	—	—	79·0	78·4	79·0	79·0
	23	74·5	75·1	76·0	76·5	77·5	79·4	79·0	78·8	80·0	80·5	81·4	78·0
	24	75·4	76·0	76·2	77·0	78·5	79·5	80·0	79·4	79·9	80·0	79·8	78·5
	25	76·0	75·8	75·8	77·0	78·0	79·7	79 7	78·2	79·0	79·6	77·8	78·2
	26												
	27	75·0	74·0	75·8	76·6	77·5	80·0	78·7	78·8	79·2	78·2	78·4	78·5
	28	75·3	76·2	76·0	77·2	79·0	80·1	81·0	79·7	78·4	79·2	78·3	78·7
	29	75·4	75·2	75·9	76·5	77·0	77·9	77·5	78·6	79·0	78·4	77·6	76·6
	30	75·3	75·1	75·4	77·0	78·7	79·4	80·0	80·6	76·6	78·5	79·1	79·3
	31												

Date. Göttingen Mean Time.		WET BULB THERMOMETER.											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
OCTOBER, 1846.	1	77°·2	77°·0	76°·0	76°·0	75°·4	75°·9	75°·2	75°·8	75°·5	74°·5	74°·3	74°·8
	2	78·3	78·0	77·0	77·0	77·0	76·8	75·5	75·1	74·6	74·8	74·9	73·3
	3												
	4	81·0	80·4	79·2	80·0	80·0	78·0	78·0	77·6	77·1	77·4	77·4	77·1
	5	81·8	81·2	81·0	81·2	79·0	80·0	79·0	77·7	78·2	79·0	77·6	77·4
	6	82·1	81·2	77·3	76·9	77·9	78·0	78·0	78·5	78·3	78·0	78·4	78·9
	7	81·8	81·0	79·0	77·0	77·0	77·3	77·5	77·2	77·6	77·4	77·0	77·0
	8	81·0	81·4	80·5	81·0	75·5	75·5	75·2	76·0	76·8	76·3	76·0	76·0
	9	80·9	81·0	80·4	76·2	75·0	76·5	76·5	77·0	77.2	77·0	77·6	77·7
	10												
	11	79·5	80·0	79·9	80·0	80·2	79·2	79·5	79·8	79·0	78·2	79·5	77·0
	12	79·6	79·4	78·9	78·9	79·0	79·3	78·9	78·0	77·0	76·4	76·0	73·8
	13	79·5	79·0	78·5	77·4	78·4	78·0	75·8	73·0	72·1	75·0	73·0	72·8
	14	75·2	78·4	78·3	77·5	77·3	76·1	75·0	75·0	75·0	74·9	73·5	74·0
	15	80·4	81·2	80·0	79·0	79·0	78·0	78·0	78.2	78·0	77·4	77·4	79·1
	16	81·6	81·5	81·0	81·0	81·3	81·5	81·2	80·4	79·7	79·4	80·6	79·9
	17												
	18	82·4	81·0	81·0	81·0	80·5	80·5	80·0	79·1	78·4	78·2	78·8	78·5
	19	80·0	80·4	79·8	80·0	78·3	79·0	79·4	78·6	77·6	78·0	78·0	75·0
	20	78·3	77·0	77·0	78·0	78·0	76·0	75·8	76·3	74·0	75·0	74·4	74·2
	21	77·4	75·0	76·2	77·9	78·2	74·6	75·0	75·8	74·2	74·5	73·0	72·2
	22	78·6	76·5	76·4	75·2	75·5	73·0	71·9	70.0	70·4	73·0	73·2	72·0
	23	79·5	78·5	78·0	77·0	77.0	77·3	77·0	77·1	77·0	76·9	77·7	77·0
	24												
	25	80·0	80·0	77·8	75·4	75·0	74·5	74·2	75·0	76·0	76·0	75·0	75·0
	26	77·0	75·5	74·8	75·0	75·0	75·5	75·5	75·6	75·3	75·4	75·0	75·0
	27	76·7	76·3	76·3	75·2	74·4	74·0	73·1	74·3	74·2	73·8	73·1	73·1
	28	77·6	77·0	76·4	76·8	76·5	76·0	74·6	74·1	72·5	73·3	74·0	74·6
	29	76·2	76·0	75·5	75·9	75·9	73·8	74·0	72·5	72·0	72·7	73·4	72·5
	30	76·0	75·2	75·0	76·0	76·4	76·6	75·5	73·2	70·2	70·0	70·2	70·4
	31												

Date. Göttingen Mean Time.		WET BULB THERMOMETER.											
		Noon	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
NOVEMBER, 1846.	1	76°·2	75°·2	75°·0	74°·2	76°·0	75°·8	75°·0	74°·0	72°·0	71°·4	73°·0	71°·8
	2	78·6	78·8	78·9	78·8	78·0	77·0	77·7	77·7	77·6	76·8	76·0	76·4
	3	79·0	79·0	78·0	78·0	77·0	77·7	77·3	76·8	77·5	77·0	76·0	76·0
	4	77·1	78·0	77·0	77·2	77·0	77·0	76·7	76·7	76·3	77·0	77·0	75·6
	5	77·9	77·0	76·5	76·0	77·2	77·3	77·0	76·2	77·5	76·5	76·3	76·2
	6	77·9	78·0	77·2	77·3	77·0	77·3	77·0	75·3	75·3	76·0	77·0	76·6
	7												
	8	76·5	77·5	76·4	76·2	75·8	73·0	73·5	73·1	72·7	71·5	70·3	71·5
	9	75·5	75·0	75·5	75·0	74·0	72·0	71·3	69·8	71·5	71·4	71·8	69·8
	10	77·0	77·0	75·2	75·0	74·9	72·0	71·6	67·5	67·5	69·0	68·2	68·5
	11	75·8	75·0	75·0	75·7	75·0	71·8	71·8	69·7	72·2	71·4	69·8	69·2
	12	77·0	73·2	73·3	74·0	75·4	74·0	69·0	72·2	72·2	73·0	72·0	70·0
	13	73·5	74·2	73·2	74·2	74·5	73·5	70·5	69·5	72·0	70·8	71·6	70·7
	14												
	15	77·5	74·0	72·5	72·2	73·0	73·0	70·2	69·0	69·0	69·8	68·4	68·8
	16	74·0	72·0	71·2	73·0	73·2	72·0	70·2	70·2	70·0	68·5	69·0	68·7
	17	71·5	73·0	72·8	73·0	72·5	70·5	68·0	69·0	71·0	68·5	68·7	68·8
	18	73·7	73·0	72·2	72·0	73·0	70·2	70·1	67·4	68·2	69·3	67·8	67·6
	19	72·8	72·5	72·0	72·2	70·5	70·1	70·0	69·5	69·5	68·2	67·8	67·2
	20	69·0	70·0	70·3	71·4	72·5	70·0	69·4	68·4	68·0	67·6	67·8	68·7
	21												
	22	72·0	70·0	71·0	71·3	71·2	71·0	68·5	67·0	65·5	67·2	67·1	67·0
	23	73·8	74·0	71·4	73·0	72·0	72·0	69·0	68·9	70·4	70·5	68·8	67·3
	24	72·8	72·2	72·0	71·0	71·2	68·4	67·2	66·5	63·9	67·4	66·5	66·8
	25	71·8	71·4	71·3	73·0	74·0	67·3	63·5	67·0	63·0	66·0	65·7	64·5
	26	72·0	72·2	71·4	71·4	71·5	69·5	67·5	66·5	67·0	65·0	67·4	68·5
	27	76·0	75·3	73·2	74·0	74·2	74·0	74·0	73·3	72·7	72·1	73·4	74·0
	28	77·3	77·0	76·0	76·0	76·1	75·5	76·0	75·0	75·0	74·3	73·8	73·5
	29												
	30	78·0	78·0	78·0	77·9	76·9	76·0	76·0	77·0	77·0	77·0	76·3	75·0
	31												

Date. Göttingen Mean Time.		WET BULB THERMOMETER.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
OCTOBER, 1846.	1	74°·8	75·0	75·5	77·0	78°·0	79°·8	78°·4	77°·3	78°·0	78°·1	78°·5	78°·6
	2	73·3	73·0	73·8	75·4	79·0	79·8	79·5	79·8	80·0	79·8	80·5	80·8
	3												
	4	77·4	77·2	77·5	79·5	80·8	81·8	81·0	82·0	82·5	82·9	83·0	82·2
	5	77·9	77·0	77·3	78·5	79·5	81·0	83·0	83·5	83·8	83·8	81·8	81·6
	6	78·6	79·0	79·0	80·0	81·5	83·2	81·0	82·6	82·2	83·2	83·2	82·8
	7	77·4	78,4	78·2	79·2	78·5	79·5	81·2	81·2	82·8	82·8	82·6	82·0
	8	76·9	76·0	76·8	77·2	78·2	80·8	81·2	81·0	80·8	81·0	81·6	80·6
	9	78·4	78·0	73·0	78·2	78·8	79·0	80.6	81·7	81·8	82·0	81·9	82·2
	10												
	11	77·8	79·0	78·4	79·4	81·0	81·8	82·3	81·5	81·2	81·6	81·4	80·0
	12	73·7	75·0	75·5	76·0	77·8	79·0	80·0	77·8	78·2	77·0	79·2	78·6
	13	71·5	72·2	73·5	74·4	76·4	77·9	78·1	77·0	78·7	78·0	77·0	77·2
	14	74·7	74·4	76·4	77·3	79·0	79·8	80·8	82·0	79·8	81·0	79.8	80·4
	15	78·0	78·2	78·5	79·0	79·0	79·0	80·1	82·8	83·5	83·8	81·4	81·0
	16	79·0	78·2	80·2	81·0	81·3	82·9	85·0	83·7	83·0	81·8	82·2	81.0
	17												
	18	78 8	78·2	78·6	79·9	81·3	82·8	81·2	81·1	80·5	81·0	80·9	81·3
	19	77·6	75·2	75·4	77·0	78·8	80·0	79·0	81·6	78·0	77·4	76·6	79.2
	20	73·0	71·8	72·0	72·8	74·0	75·3	76·0	75·7	78·6	78·8	80·0	79·2
	21	72·0	70·3	71·2	72·0	75·0	76·1	76·5	75·5	78·3	77·6	74·2	78·0
	22	72·4	71·0	73·4	75·2	78·0	77·8	77·7	76·9	76·5	77·2	79·2	79·5
	23	76·3	76·5	76·9	78·0	79·5	82·5	80·2	80·3	80·5	79·7	79·5	78·4
	24												
	25	75·7	75·2	76·0	77·0	78·5	80·0	78·0	78·8	78·2	78·5	77·6	77·3
	26	75·0	75·0	75·3	76·2	77·9	78·8	77·0	77·0	77·6	77.7	77·9	77·0
	27	73·9	73·5	74·3	76·0	76·0	78·0	78·0	76·5	74·0	77·1	76·8	77·3
	28	76·5	75·2	72·0	73·0	77·0	75·2	77·0	76·1	77·0	77·3	77·4	77·1
	29	72·8	72·0	74·0	75 2	75·8	76·6	77·5	76·6	77·0	76·8	77·0	76·6
	30	68·8	68·0	67·4	68·5	75·0	77·0	77·0	76·0	76·7	76·4	76,·1	75·0
	31												

Date. Göttingen Mean Time.		WET BULB THERMOMETER.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
NOVEMBER, 1846.	1	71°·3	71°·5	73°·0	75°·4	75°·5	76°·7	77°·8	79°·8	79°·0	77°·6	79·4	78·6
	2	75·6	75·0	75·3	77·0	78·0	79·0	78·8	80·6	80·5	79·9	80·4	79·8
	3	75·2	75·3	75·5	78·4	79.2	80·7	80·7	80·1	80·8	79·0	80·0	79·0
	4	75·0	74·0	72·5	74·8	75·2	79·7	79·7	79·0	76·8	78·0	77·7	77·7
	5	75·6	76·0	73·5	74·2	75·5	77·3	78·0	77·7	78 8	79·0	79·0	78·6
	6	76·0	76·0	75 0	76·5	76·2	79·0	78·8	78·0	79·3	79·8	79·0	79·0
	7												
	8	71·0	70·0	69·0	71·0	69·5	72·9	72·5	73·0	72·0	74·8	77·0	75·6
	9	70·0	70·0	69·0	70·0	71·3	72·5	73·8	75·0	73·1	72·6	73·0	77·4
	10	68·8	68·6	68·2	69·0	74·0	77·7	74·0	73·0	72·0	74·9	75·2	76·0
	11	68·2	67·5	67·5	70·3	72 4	71·4	74·0	75·0	76·7	72·6	71·0	73·8
	12	68·0	71·2	69·4	72·4	73·0	76·0	72·4	72·0	71·0	71·0	72·4	72·3
	13	70·6	69.4	70·5	71·0	73·5	74·4	73·4	72·1	72·0	74·5	73·8	74·1
	14												
	15	67·6	67·2	66·5	67·3	70·3	71·4	72·0	74·0	71·0	69·4	69·0	74·0
	16	67·2	66·0	67·2	68·0	69·2	70·2	71·0	70·5	70·5	72·0	72·5	71·4
	17	66·0	67·2	67·0	67·2	- 69·5	71·0	71·0	72·0	69·0	69·2	68·2	68·8
	18	67·0	67·0	66·0	67·2	71·5	70·5	70·3	71·0	70·8	69·8	71·2	72·1
	19	65·5	61·0	64·0	65·8	67·4	70·2	73 0	69·2	69·0	69 6	71·0	70·4
	20	66·1	—	64·5	66.2	67·2	69·0	69·5	70·0	71·2	73 0	71·0	71·2
	21												
	22	61·2	63·0	65·0	67·4	70·0	74·0	71·0	69·5	70·0	69·5	73·5	74·0
	23	66·0	66·0	65·0	65·0	68·0	69·2	69·7	72·5	70·0	70·2	69·4	74·2
	24	66 5	64·2	64·4	65·0	66 4	67·0	68·5	70·9	70·0	69·2	71·8	71·1
	25	63·1	63·2	62 0	61·5	62·2	66·5	65·0	67·0	67·5	67·6	71·4	71·3
	26	69·5	70·2	70·2	69·5	73·0	74·0	79·0	77·0	76·8	78·6	77·9	76·4
	27	73·5	73·4	72·4	75·0	75·5	78·2	76·5	77·0	77·0	76·4	77·5	77·0
	28	73·5	73.2	73·5	74·2	77·0	77·0	78·5	75·5	76·0	77·3	77·0	76·8
	29												
	30	74·2	73·3	74·0	75.0	76·2	78·5	79·0	.77·5	73·0	77·6	77·8	79·0
	31												

WET BULB THERMOMETER.

Date.	Göttingen Mean Time	Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
DECEMBER, 1846.	1	78°·0	77°·0	76°·0	75°·0	75°·0	73°·6	72°·6	72°·3	71°·6	70°·0	70°·8	70°·6
	2	76·0	75·0	73·5	73·4	72·0	70·2	70·0	68·5	71·2	69·2	67·6	65·0
	3	70·8	70·0	69·0	69·2	66·2	65·2	64·0	63·3	63·3	61·8	63·9	65·8
	4	71·5	71·4	71·0	70·9	71·9	71·5	66·5	64·0	67·0	71·2	66·6	66·9
	5												
	6	67·0	66·0	66·0	66·0	67·4	67·0	65·6	61·5	64·0	65·0	62·6	59·0
	7	70·6	70·2	68·0	68·5	68·2	67·5	65·6	64·5	63·5	62·7	61·0	63·6
	8	78·2	77·0	77·0	76·3	75·2	74·3	75·0	75·1	73·8	73·3	73·0	72·0
	9	77·8	76·0	75·0	74·0	74·0	73·0	72·0	71·5	72·5	72·0	74·0	74·0
	10	76·0	74·0	73·0	71·0	71·2	67·6	66·0	68·9	71·5	71·3	70·4	71·5
	11	76 2	75·4	75·0	75·0	74·5	73·8	73 3	73·9	74·2	74·0	73·0	70·5
	12												
	13	77·5	69·5	69·0	70·2	70·0	67·5	66·8	65·0	64·6	63·0	62·7	62·0
	14	72·8	73·0	72·0	71·4	70·0	69·7	66·0	68·0	67·7	64·8	64·6	63·0
	15	72·2	71·3	71·5	71·8	70·0	68·6	71·1	69·9	71·3	70·6	70·4	70·0
	16	74·0	73·2	73·2	73·5	73·0	71·9	69·0	69·4	70·5	69·2	70·2	70·0
	17	74·6	73·0	74·0	73·4	74·0	74·5	73·0	73·3	73·0	71·1	73·0	72·8
	18	75·0	74·0	73·8	73·3	72·0	70·5	69·0	71·2	71·2	72·0	71·2	70·8
	19												
	20	75·0	74·0	73·3	73·9	73·0	71·2	70·1	70·8	70·0	69·2	68·6	69·0
	21	74·4	74·0	73·3	73·3	72·0	70·9	70·8	69·5	69·5	67·4	67·0	66·4
	22	74·4	73·0	72·0	73·0	73·0	72·8	69·5	70·4	64·8	65·8	66·4	67·0
	23	70·0	69·8	68·0	68·9	68·2	67·5	65·8	65·5	64·5	64·0	61·7	66·3
	24	70·2	69·0	68·2	67·2	68·0	69·8	67·6	64·0	63·0	63·0	62·4	61·5
	25	67·4	67·0	67·2	66·2	67·2	66·8	65·0	63·5	61·5	61·8	64·4	64·5
	26												
	27	72·5	70·5	69·5	70·2	70·3	68·8	65·5	63·4	66·2	67·0	67·8	65·8
	28	72·0	72·2	71·3	73·2	70·2	70·5	66·7	67·0	65·4	64 9	63·7	66·7
	29	71·4	70·3	70·0	71·2	70·5	68·0	66·0	65·2	64·4	63·0	67·8	65·4
	30	75·0	75·0	74·0	71·5	72·0	72·5	71·0	69·0	71·0	70·4	69·0	68·4
	31	74·6	74·0	74·2	72·4	72·0	72·6	71·8	71 2	70·0	71·0	69·3	70 0

DIRECTION OF THE WIND, BY OSLER'S WIND GAUGE.

Date.	Göttingen Mean Time.	Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
JANUARY, 1846.	1	NW.byN.	NW.byN.	NW.byN.	N.NW.	N. NW.	N. NW.	N. NW.	N. NW.	SE. by E.	SE. by E.	E. SE.	S SE.
	2	W. by N.	W. by N.	W. NW.	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NE.	NE.	NE.
	3												
	4	NW.byW	NW.byW	N. by W.	N.	N. by W.	N.	N.	N.NE.	NE.	NE.	NE.	NE.
	5	NW.byN.	NW.byN.	NW.byN.	N.NW.	N. NW.	N. NW.	N. by W.	N.	N.	N.	N.	N.
	6	NW.	NW.byN.	NW.byN.	N. by W.	N. NW.	N. by W.	N. by W.	N. by W.	N. by W.	N. by E.	N. by E.	N. by E.
	7	N. N.W.	N. NW.	N. by W.	N. by W.	N. by W.	N.	N.	N.	N. by W.	N. by W.	N. by W.	N. by W.
	8	NW.byN.	NW.byN.	N. by W.	N. by W.	N.	N. by E.	N. NE.	N. NE.	N. NE.	N. NE.	NE. by N.	NE.by N
	9	N.NW.	N. NW.	N.NW.	N.NW.	N. NW.	N.	N.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.
	10												
	11	NW.	NW.byN.	N. NW.	N. by W.	N. by W.	N. by W.	N. by W.	NE.	NE.by E.	NE.by E.	NE. by E.	NE.by E.
	12	NW.	NW.	N. NW.	N. NW.	N. NW.	N. NW.	N. NW.	N. NW.	NE.	NE.	NE.	NE.
	13	NW.	NW.byN.	NW.byN.	N. by W.	N. by W.	N. by W.	N. by W.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	N. NW.
	14	W. NW.	NW.by W	NW.byW	NWbyW.	W. NW.	NW.	NW.	E. by N.	E. by N.	E.	E.	E.
	15	W. by N.	W. by N.	W. NW.	N. NW.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	E. NE.	E. NE.	N. NW.
	16	NW byW	NW.byW	N. NW.	N. NW.	N. NW.	N. NW.	N. NW.	NE.	NE.	NE.	NE.	NE.
	17												
	18	N. NW.	N. by W.	N. by W.	N. by W.	N.	N.	N.	N.	N.	N.	N.	N
	19	N. NW.	N. by W.	N. by W.	N. by W.	N. by W.	N.	N.	N.	N.	N.	N.	N.
	20	NW.byW	NW.byN.	N by W.	N. by W.	N. by W.	N. by W.	N.	NW byN.	N. NW.	N. by W.	N. by W.	N. by W.
	21	N. by W.	N. by W.	N.NW.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.
	22	NW.byN.	N. by W.	N. by W.	N. by W.	N. by W.	N.	N.	N.	N.	N.	N.	N.
	23	N. by W.	N. by W.	N. by W.	N.	N.	N. by E.	N. by E.	N. by E.	N. by E.	N. by E.	N. by E.	N. by E.
	24												
	25	NW.byN.	N. NW.	N. by W.	N. by W.	N. NW.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.
	26	NW.byN.	N. NW.	NW.byN.	N. NW.	N. NW.	N.	N.	N.	N.	N.	N. by E.	N. by E.
	27	N. NW	N. NW.	N. NW.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.
	28	N. NW.	N. NW.	N. NW.	N. by W.	N. by W.	N.	N.	N.	N.	N.	N.	N.
	29	N. NW.	N. NW.	N. by W.	N. by W.	N.	N.	N.	N. by E.	N. by E.	N. by E.	N. by E.	N. by E.
	30	NW.byN.	NW.	NW.	NW.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.
	31												

WET BULB THERMOMETER.

Date. Göttingen Mean Time.		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
DECEMBER, 1846	1	71·0	68°·2	68·4	71°·4	71°·2	77°·0	72°·8	72°·5	73°·5	73°·2	72°·2	73·0
	2	68·6	67·0	66·0	66·8	69·0	71·0	72·0	70·6	71·0	73·4	73·6	72·8
	3	62·5	62·2	65·0	65·5	67·2	72·0	70·9	72·1	74·0	73·0	72·8	72·6
	4	67·4	67·0	64·5	64·0	67·0	70·5	70·6	71·0	72·6	69·7	69·7	73·0
	5												
	6	59·1	59·2	59·0	63·0	63·0	65·2	66·0	67·6	69·0	69·7	70·6	70·0
	7	63·0	65·0	66·0	67·0	69·0	72·0	74·0	75·0	76·5	77·4	78·4	78·0
	8	71·5	71·8	73·4	73·5	76·0	76·6	78·2	78·0	79·0	78·7	80·0	78·5
	9	72·9	72·0	71·5	72·0	75·0	76·0	76·6	77·5	76·5	77·0	76·5	76·0
	10	71·0	70·0	68·0	70·0	74·0	76·0	77·5	77·0	76·0	76·8	77·0	76·7
	11	71·1	72·0	70·0	70·0	72·5	72·0	72·0	73·6	74·5	76·0	75·2	75·5
	12												
	13	62·2	61·2	60·0	61·4	62·2	65·0	66·6	67·0	69·0	69·7	72·2	73·0
	14	62·2	62·2	62·0	63·0	68·2	70·5	69·2	71·0	69·0	70·0	71·2	71·7
	15	68·6	69·2	70·0	68·5	72·0	68·5	73·5	73·0	73·3	74·5	75·0	74·0
	16	70·0	68·3	68·2	70·0	71·0	73·5	74·0	76·0	75·3	75·0	75·8	75·1
	17	72·7	71·0	70·0	70·5	74·2	74·5	75·2	74·0	75·0	74·0	74·8	75·0
	18	68·4	69·0	70·2	71·0	73·0	73·3	74·0	75·0	76·0	73·9	71·6	72·7
	19												
	20	68·0	69·0	67·0	66·5	69·5	71·0	73·0	74·0	75·0	74·7	74·4	74·8
	21	65·8	66·2	66·2	65·0	69·0	69·8	71·5	72·0	72·0	71·4	74·3	75·2
	22	67·0	65·0	65·2	63·8	66·3	67·0	68·5	68·9	70·5	70·0	70·4	69·0
	23	66·3	64·3	63·9	63·0	65·1	67·0	71·0	73·4	67·5	67·9	66·9	69·8
	24	63·0	61·0	64·2	64·2	66·0	67·2	67·9	68·0	65·0	65·0	67·5	67·0
	25	65·0	64·2	63·0	63·3	64·0	68·0	67·0	69·0	69·0	68·5	71·6	73·2
	26												
	27	65·4	67·0	65·2	65·0	67·0	69·5	70·0	69·8	69·5	68·5	68·5	71·9
	28	66·0	75·0	64·0	64·5	67·3	69·5	68·9	69·5	69·2	70·0	72·1	71·2
	29	66·4	63·5	64·0	67·0	67·0	69·5	70·7	70·5	73·0	70·7	70·9	71·6
	30	67·6	66·4	67·0	65·0	67·2	68·0	70·5	71·0	71·2	70·0	73·5	76·0
	31	68·3	68·5	66·6	67·7	70·6	71·5	73·3	73·0	—	—	—	—

DIRECTION OF THE WIND, BY OSLER'S WIND GAUGE.

Date. Göttingen Mean Time.		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
JANUARY, 1816.	1	E. SE.	E. SE.	E. by S.	E. by N.	NE.	NE.	NE.	NE.	NW.by W	NW.by W	W. by N.	W. by N.
	2	NE.	NE.	NE.	NE.	NE.	NE.	NE.by E.	NE.by E.	NE.by E.	N. NW.	NW.by N.	NW.by W
	3												
	4	NE.	NE.by N.	NE.by N.	N. by E	E. NE.	E. NE.	E. by N.	E. by N.	E. by N.	NW.by W	NW.	NW.by N.
	5	N.	N. by W.	N. by W.	N. by W.	N. by E.	NE.by N.	NE.by N.	NE.by N.	NW.by N.	W. NW.	NW.by W	NW.by W
	6	N. by E.	N. by E.	N. by E.	N. by E.	N. by E.	N. NE.	NE.by N.	NE.by N.	NW.by N.	NW.	NW.by N.	N. by W.
	7	N. by W.	N. by W.	N. by W.	N.	NE.	NE.	NE.	NE.	NE.	N. NW.	NW.by N.	NW.by N
	8	NE.by N.	NE.by N.	NE.by N.	NE.by N.	NE.by N.	NE.by E.	NE.by E.	NW.by N.	NW.by N.	NW.	NW.by N.	N. by W.
	9	N.	N.	N.	N.	N. by E.	N. by E.	N. by E.	NW.by N.	NW.	NW.	NW.by W	NW.
	10												
	11	NE.by E.	E. by N.	E. by N.	E. by N.	E. by N.	E. by N.	E. by N.	NW.by N.	NW.	NW.by W	NW.	NW.
	12	NE.	NE.	NE.	NE.	NE.	NE.	NE.	NE.	NW.	—	—	—
	13	N. by W.	N.	NE.by N.	NE.by N.	NE.by N.	NE.by N.	NE.by N.	NE.by N.	N. by E.	NW.by W	W. NW.	NW.by W
	14	NE.by E.	NE.by E.	NE.by E.	N. by W.	N. by W.	N. by E.	N. NE.	N. NE.	NW.	NW.by N.	NW.	W. by N.
	15	N. NW.	NE.by N.	NE.by N.	NE.by N.	NE.by N.	NE.by N.	NE.by N.	NW.by N.	NW.by W	NW.	NW.	NW.by W
	16	NE.	NE.	NE.	NE.by N.	NE.by N.	NE.by N.	NE.by N.	NE.by N.	NW.by W	W.	W.	W
	17												
	18	N.	N.	N. by E.	N. by E.	N. by E.	N. by E.	NE.by N.	N. NW.	NW.by N.	NW.by N.	NW.by N.	N. NW.
	19	N.	N.	N.	N.	NE.	NE.by E.	NE.by E.	N. by W.	W. NW.	NW.	NW.	NW.by W
	20	N. by W.	N. by W.	N. by W.	N.	N.	N.	NW.by N.	NW.by W	NW.	W. NW.	NW.by N.	N. NW.
	21	N. by W.	N. by W.	N.	N. NE.	N. NE.	NE.by N.	NE.by N.	NE.by N.	NW.	NW.	NW.	NW.by N.
	22	N.	N.	N.	N.	N.	N.	N. by E.	N.	NW.	—	—	—
	23	N. by W.	N. NW.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. NW.	N. NW.	N. NW.
	24												
	25	N. by W.	N. by W.	N. by W.	N. by W.	N. by E.	N. by E.	NE.by E.	NE.by E.	N. by W.	N. by E.	NW.by N.	NW.
	26	N. by E.	N. by E.	N. by E·	N.	N. by W.	N. NW.	N. NW.	N. NW.	NW.by N.	—	—	—
	27	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by E.	N. by E.	N. NW.	NW.by W	NW.by N.	NW.by N.	NW.by N.
	28	N.	N.	N.	N.	E. NE.	E. NE·	E. NE.	NW.by N.	NW.by N.	N. NW.	N. NW.	N. NW.
	29	N. by E.	N. by E.	N. by E.	N. by E.	N. by E.	N. by E.	NW.	NW.	NW.	NW.byN.	NW.	NW.
	30	NW.by N.	NW.by N	N. by W.	N. by W.	N. by W.	N.	N.	N.	NW.by W	W. by N.	W. by N.	W.
	31												

Date. Göttingen Mean Time.		DIRECTION OF THE WIND, BY OSLER'S WIND GAUGE.											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
FEBRUARY, 1846.	1	SW. by S.	SW. by S.	SW. by S	SW. by S.	SW. by S	SW. by S.	SW. by S.	S.SW.	S. by E.	S.SE.	S.SE.	S. by E.
	2												
	3												
	4												
	5	W. by N.	NW.	NW.byN.	NW.byN.	N.NW.	N.	N.	N.	N	N.	N.NW.	N.NW
	6	NW.	NW byN.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.
	7	N. by W.	N.NW.	N. by W.	N. by W.	N. by W.	N.	N.	N. by W.	N. by W.	N. by W.	N. by W.	N.NW.
	8	N. by W.	N.NW.	N. by W.	N by W.	N. by W	N.	N.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.
	9	NW.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.
	10	W.NW.	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.	W.NW.	W.NW.
	11	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.	NW.	NW.	NW.	NW.
	12	NW.byN.	NW byN.	NW.byN.	N NW.	N NW.	N.NW.	N NW.	N.NW.	N.NW.	N. by W.	N. by W.	N. by W.
	13	NW.byN.	NW.	NW.byN.	NW.byN.	N.NW.	N.NW.	N. by W.	N.NW.	N.NW.	N.NW.	N. by W.	N.NW.
	14												
	15	NW.byW	NW.byW	NW byW	NW.byW	NW.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	N.
	16	NW.byW	NW.	NW.	NW.	NW	E.	E. by S.	E.SE.	E.SE.	E.SE.	E.SE.	E. by S.
	17	W. by N.	W. by N.	W.NW.	W. by N	W. by N.	W.NW.	NW.byW	NW.	NW.	E. by N.	E.SE.	E. by S
	18	NW.	NW.	NW.	NW.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	N by E
	19	NW.by W	NW.byW	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.	NW.
	20	N.NW.	N.NW.	N.NW.	NW.byN.	N.NW.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.
	21												
	22	N. by W.	N. by W.	N.	N.	N.	N.	N.	N.	N.	N.	N.	N. by E.
	23	NW.	NW.byN.	NW.	NW.	NW.	NW.	NW.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.
	24	NW.byW	NW.byW	NW.byW	W.NW.	W. by N.	W by N.	W. by N.	W. by N.	W. by N.	W.NW.	W.NW.	W.NW.
	25	NW.	NW.byN.	N.NW.	N.NW.	N.NW.	N.NW.	N.NW.	N.NW.	N.NW.	N.NW.	N.NW.	N.NW.
	26	NW.byN.	NW.byN.	NW.byW	NW.byN.	NW.byN.	NW.	NW.	NW.	NW.	NW.	NW.	N. by W.
	27	NW.byW	NW.byW	NW.byW	NW.	NW.byW	NW.	NW.	NW.	NW.	NW.	NW.	NW.
	28	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.	NW.	NW.	NE.	NE.
	29												
	30												
	31												

Date. Göttingen Mean Time.		DIRECTION OF THE WIND, BY OSLER'S WIND GAUGE.											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
MARCH, 1846.	1												
	2	N by E.	N.	N. by E.	N. by E	N by E.	N. by E.	N. by E.	N. by E.	N. by E.	N NE.	N.NE.	N.NE.
	3	N. by W.	N.	N.	N.	N.	N.	N.	N.	NW.byN.	N.NW.	N. by W.	N. by W.
	4	N.NW.	N.NW.	N.NW.	N.NW.	N.NW.	N.NW	N.NW.	N.NW.	N.NW	N.NW.	N.NW.	N.NW.
	5	N.NW.	N.NW.	N.NW.	N.NW.	N.NW.	N. by W.	N.	N. by W.	N.	N. by E.	N.NE.	N.NE.
	6	N.	N.	N.	N.	N.	N.	N.	N.	N.	N.	N.	N.
	7												
	8	N.NW.	N.NW.	N.NW.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.
	9	NW.byW	NW.	NW.	NW.byN.	NW.byN	NW.byN.	NW.byN.	NW.byN.	N.NW.	N.NW.	N.NW.	N.NW.
	10	NW.byW	NW byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byN.	NW.byN.	N. by W.
	11	NW.byW	NW.	NW.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	N.NW.	N.NW.
	12	NW.byN.	NW.byN.	N.NW.	NW.byN.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N.
	13	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	N.NW.	N.NW.	N.NW.	N. by W.
	14												
	15	N.	N. by W.	N.	N.	N. by W.	N. by E.	N. by E.	N. by E.	N. by E.	N. by E.	N. by E.	N. by F.
	16	N.	N.	N. by W.	N. by W.	N. by W.	N. by W.	N.	N.	N. by E.	N. by E.	N. by E.	N. by W
	17	N.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W	N. by W.	N. by W.	N. by W.
	18	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byW	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.	NW.
	19	W.NW.	NW.byW	W.NW.	W.NW.	W.NW.	W.NW.	W.NW.	W.NW.	W.NW.	W.NW.	W.NW.	W.NW.
	20	NW.	NW.	NW.	NW.	NW.	NW.	NW.	N. W.	NW.	NW.	NW.	NW.
	21												
	22	NW.byN.	N.NW.	N.NW.	N.NW.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W	N. by W.	N.	N.
	23	N. by W.	N. by W.	N. by W.	N. by W.	N.	N. by W.	N.	N.	N.	N.	N.	N
	24	SW. by S.	SW. by S.	SW. by S.	SW. by S.	S. by W.	S. by W.	S. by W.	S. by W.	S. by W.	S. by W.	S.	S. by W.
	25	W.SW.	W.SW.	W.SW.	SW.	SW.	SW.	SW. by S.	SW. by S.	SW. by S.	SW. by S.	SW. by S.	SW. by S.
	26	W. by S.	SW.byW.	SW.byW.	SW.byW.	SW.byW.	SW.by W	SW.byW.	SW. byW	SW.byW.	SW.by W.	S.SW.	S. by W.
	27	NW.	NW.byW	NW.	NW.	NW.	NW.	NW.	NW.	NW.	NW.	NW.	NW.
	28												
	29	N. by W.	N. by W.	N.NW.	N. by W.	N. by W.	N.NW.	N. by W.	N by W.	N. by W.	N. by W.	N. by W.	N. by W.
	30	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW by N.	NW.byN.
	31	W.NW.	W.NW.	W.by N.	W.	W. by S.	W. by S.	W. by S.	W. by S.	W. by S.	W. by S.	W. by N.	W.NW.

DIRECTION OF THE WIND, BY OSLER'S WIND GAUGE.

Date.	Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
FEBRUARY, 1846.	1	S. SE.	SE. by S.	SE. by S.	SE.	E. by S.	E. by S.	E. by S.	NW.byN.	W. by N.	—	—	—
	2												
	3												
	4	—	—	—	—	—	—	—	—	—	W. by N.	W.	W. by N.
	5	N. NW.	N NW.	N. NW.	N. NW.	N. NW.	N. by W·	N. by E.	N. NE.	N. NE.	N.	NW.byW	NW.
	6	N. by W.	N. by W.	NE.by N.	NE.by N.	NE.byE.	NE.by E.	NE. by E.	NE.by E.	NE.by E.	NW.byN.	NW.byW	NW.
	7	N. NW.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W	N. NW.	NW.byN.	NW.byN.	NW.	NW.byN.
	8	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. NW.	NW.byN.	NW.byN.	NW.	NW.byN.
	9	NW.byN.	NW.byN.	NW.byN.	NE by E.	NE byE.	NE.by E.	E. NE.	W. NW.	W. NW.	W. NW.	NW.byW	W. by N.
	10	W. NW.	W. NW.	W. NW.	W. NW.	S. by W.	S. by W.	NW.	NW.	NW.	NW.	NW.	NW.byN.
	11	NW.	NE.by N	NE. by N.	NE.by N.	NE.	NE.	NE.	W. by N.	W. NW.	NW.	NW.byN.	NW.
	12	NE. by E.	E. NE.	E. NE.	E. NE.	E. by N.	E. by N.	E. by N.	E. by N.	NW.	NW.	NW.byW	NW.byN.
	13	N. by E.	N. by E.	NE.	E. by N.	E. by N.	E. by N.	E. by N.	E. by N.	NE.by N.	NW.	NW.byW	NWbyW.
	14												
	15	NE. by E.	NE. by E.	NE.by E.	NE.	NE.	NE.by N.	NE. by N.	NE. by N.	N. NW.	NE.	N.	W. NW.
	16	E.	NE.by N.	N. NE.	NE.by N.	NE.by N.	NE.by N.	NE. by N.	NE. by E.	E. NE.	E.	E.	E.
	17	E.	E.	E.	E. by N.	NE.	NE.	NE.	NE. by E.	NE.	NW.	NW.	W. NW.
	18	NE by N.	NE.byN.	N. by E.	N.	N.	N. by E.	N.	N. NW.	NW.byW	NW.byW	W. NW.	W. NW.
	19	NWbyN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.	NW.	N. by W.	N. NW.	N. NW.
	20	N. by W.	N. by W.	N. NW.	N. NW.	N. NW.	N. NW.	N. NW.	NW.byW	NW.	NW.	NW.	NW.
	21												
	22	N. by E.	N. by E.	NE.by N.	NE.by N.	E. NE.	E. by N.	E by N.	E.	E.	NW.	NW.byN.	NW.
	23	NW.byN.	NW.byN.	N.	N. by E.	N. by E.	E. NE.	E by N.	NE.by N.	N. NW.	NW.byW	W. by N.	NW.
	24	W. NW.	W. NW.	NW.byW	NE.	NE.by E.	NE.by E.	E. NE.	E. NE.	NW.byN.	NW.	NW.	NW.
	25	N. NW.	N. NW.	NE.	E. NE.	E. by N.	E. by N.	E. by N	E. by N.	N. NW.	NW.	NW.byN.	NW.
	26	N. by W	N. by W.	NE.	NE.	NE.by E.	NE by E.	NE.by E.	NE.by E.	E. NE.	NW.	NW.byW	NW.
	27	NW.	N. NW.	E. NE.	E. by N	E. by N.	E. by N.	E. by N	E. by N.	W. NW.	NW.byW	NW byW	NW.byW
	28	NE. by E.	E. NE.	E. by N.	E.	E.	E. by N.	E. by N	E. by N.	E. by N.	N. NW.	N. NW.	N. NW.
	29												
	30												
	31												

DIRECTION OF THE WIND, BY OSLER'S WIND GAUGE.

Date.	Göttingen Mean Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
MARCH, 1846.	1												
	2	N. NE.	N. NE.	NE.by N.	NE.by N	NE.by N.	NE.	NE.by E.	NE.by N.	NW.byN.	N. NW.	N. NW.	N. NW.
	3	N. by W.	N.	N.	N. by E.	N.	N. by W.	N. NW.	N. NW.	N. NW.	N. NW.	N. NW.	NW.byN.
	4	N. NW.	N. NW.	N. NW.	N. NW.	N. NW.	N. NW.	N. NW.	N. NW.	N. NW.	N. NW.	N. NW.	NW.byN.
	5	N. NE.	N. NE.	N. NE.	N. NE.	NE.by N.	N. NE.	NW.byN.	NW.byN.	NW.byN.	N.	N.	N. by W.
	6	N	N.	N.	N.	N. by E.	N.	N. by W.	N. NW.	N. NW.	—	—	—
	7												
	8	N. by W.	N. by W.	NE.by E.	NE.by E.	NE.by E.	NE.by E.	NW.byN.	NW.byN.	W. NW.	NW.byW	NW.byW	NW.byW
	9	N. by W.	N. by W.	N. by W.	N.	NE.by N.	NW.byN.	W. by N.	W. by N.	W. NW.	W. by N.	W. by N.	W. NW.
	10	N.	N.	N.	N.	N.	N. by E.	N. by E.	W. by N.	W.	W. NW.	NW.byW	NW.byW
	11	N. by W.	N. by W.	NE.	NE.	NE.	NE.	NW.byN.	NW.	NW.byW	NW.byN.	NW.	NW.byN.
	12	N.	N. by E.	N. by E.	N. by E.	N. by E.	N.	NW.byN.	NW.	NW.byW	NWbyW.	NW.byW	NW.byW
	13	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N.	N. NW.	N. NW·	N. NW.	NW.	NW.	NW.
	14												
	15	NE.by N.	N. NE.	N. NE.	N. NE.	N. NE.	N. NE.	N. NE.	E. NE.	N.	N.	N. by W.	N. by W.
	16	N. by W.	N. by W.	N. by W.	N. by W.	NE.by E.	N. NW.	N. NW.	N. NW.	NW.byN.	N. by W.	N. by W.	N. by W
	17	N. by W.	N. by W.	N. by W.	N. by E.	NE.	N.	N. by W.	NW.byN.	NW.byN.	NW.byN.	NW.	NW.
	18	NW.	NW.	E. by N.	E.	E. by S.	E. by S.	E. by S.	NW.byN.	W.	NW.byW	W. by N.	W. NW.
	19	W. NW.	E. NE.	E. NE.	E.	E.	E.	E.	N. NW.	W. NW.	NW.byW	NW.	NW.
	20	NW.	NW.byN.	NW.byN.	NE.	NE.by E.	NE.by E.	N.	NW.	NW.byW	NW.byW	NW.	NW.byW
	21												
	22	N.	N.	N. NE.	N. NE.	N. NE.	NE.	E. NE.	N. by W.	N. by W.	N.	N.	N. by W.
	23	N.	N. by W.	N. by W.	N.	N. NE.	NE.by N.	NE.by N.	NWbyW.	S. SW.	SW. by S.	SW.	SW.byW.
	24	S. by W.	S. by W.	S. by W.	S.	S. by E.	S. by E.	S. SE.	S. by E.	SW.byW.	W. by S.	SW.byW.	SW.byW.
	25	S. by W.	SW.by S.	W. by S.	W. by. S.	S. by E.	S. by E.	S. by E.	SW. by S.	SW.	W. SW.	W. by S.	W. SW.
	26	S. by W.	S. by W.	S.	S.	SW.by S.	SW.by S.	S. SW.	S. SW.	W· SW·	W.	W.	W by N.
	27	NW.	NW.	NW.	NW.	NW.	NW	NW.	NW.	NW.	NW.	NW.	NW.
	28												
	29	N. by W.	N.	N. by E.	N. by E.	N. by E.	N.	N. by W.	N. NW.	N. by W.	NW.byN.	NW.byN.	NW.byN.
	30	N. NW.	N. NW.	N. NW.	N. NW.	N. by W.	N. by W.	NW.	NW.byW	NW.	NW.	NW.byW	NW.byW
	31	W. NW.	W. NW.	W. NW.	W. NW.	W. NW.	W. NW.	W. NW.	NW.byW	W. NW.	W. NW.	W. NW.	W. NW.

DIRECTION OF THE WIND, BY OSLER'S WIND GAUGE.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
APRIL, 1846.	1	W. by N.	NW.byW	NW.byW	NW.byW	NW.byW	NW.	NW.	NW.	NW.	NW.	NW.	NW.
	2	NW.byN.	N. NW.	N.NW.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.
	3	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.	NW.	NW.	NW.	NW.	NW.byW	NW.byW	NW.byW
	4	NW.byN.	NW.byN.	NW.byN.	N.NW.	N.NW.	N.NW.	N. by W.	N. by W.	N.	N.	N.	N.
	5	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	N. by W.	N. by W.	N.	N.	N.	N.
	6	NW.	NW.	NW.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	N. by W.	N. by W.	N.NW.	N. by W.
	7	NW.	NW.	NW.	NW.	NW.	NW.	NW.	NW.	NW.	NW.	NW.	NW.
	8	W. NW.	W.NW.	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.	NW.
	9	W. NW.	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW
	10	W. NW.	W.NW.	W.NW.	W.NW.	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW
	11	NW.byN.	NW.byN.	NW.	NW.	NW.	NW.byW	NW.byN.	NW.	NW.	NW.	NW.	NW.
	12	W. NW.	NW.byW	NW.	NW.byW	NW.byW	NW.byW	NW.	NW.	NW.byN.	N.NW.	N.NW.	N.NW.
	13	N. NW.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	N.NW.	NW.byN.	NW.byN.	NW.byN.	N.NW.	N.NW.	N.NW.
	14	N. NW.	NW.byN.	N.NW.	N.NW.	N.NW.	N. by W.	N. by W.	N.	N.	N.	N. by W.	N. by W.
	15	N. by W.	NW.byN.	NW.	NW.	NW.	NW.	NW.	NW.byN.	NW.byN.	NW.byN.	N.NW.	N. by W.
	16	NW.byN.	W.NW.	W.NW.	W.	W.	W.	W.	W.	NW.byW	NW.byW	NW.byW	NW.byW
	17	W. NW.	W.	W. by N.	W. by N.	W. by N.	W. by N.	W. by N.	W. by N.	W.NW.	W.NW.	NW.byW	NW.byW
	18	W.	NW.byN.	NW.	NW.	NW.	NW.byW	NW.byN.	NW.	NW.	NW.	NW.	NW.
	19	NW.byN.	W.NW.	NW.	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.	NW.	NW.	NW.byN.
	20	W.	NW.	NW.	NW.byN.	NW.byN.	NW.	NW.	N.NW.	N. by W.	N. by W.	N.	N.
	21	NW.byN.	NW.byN.	NW.byN.	N.NW.	N.NW.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N.	N. by E.
	22	NW.byN.	N.NW.	N.NW.	N. by W.	N. by W.	N.	N.	N.	N.	N.	N.NW.	N.NW.
	23	W. NW.	NW.byW	NW.byW	NW.	NW.	NW.	E.	E.	E.	E.	E. by S.	E. by S.
	24	NW.byW	NW.byN.	NW.byW	N.	N.	N.	N.	N.	N.	NW.	NW.	NE.
	25	NW.byW	NW.byW	N.NW.	N.	N.	NW.	NW.byW	SW.byW.	SW.byW.	SW.byW.	SW.byW.	W.
	26	NW.byW	N.NW.	NW.byW	W.NW.	NW.byN.	N. by W.	N. by W.	N.	N.	N.	N.	N. by E.
	27	NW.byN.	N.NW.	N.NW.	N.NW.	N. by W.	N. by W.	N. by W.	N. by W.	N.	N. by W.	N. by W.	N. by W.
	28	N. NW.	N.NW.	N. by W.	N. by W.	N.	N.	N.	N.	N.	N.	W.	N.
	29	NW.	NW.	NW.	NW.	NW.	NW.	NW.	NW.	NW.	NW.	NW.	NW.
	30	W. NW.	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.
	31												

DIRECTION OF THE WIND, BY OSLER'S WIND GAUGE.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
MAY, 1846.	1	W.NW.	NW.byW	NW.	NW.byW	NW.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.
	2	W. by S.	W.	W.	W.	W. by N.	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW
	3	W.NW.	W.NW.	W.NW.	NW.byW	NW.byW	NW.	N.NW.	N.NW.	N. by W.	N. byW.	N. by W.	N. by W.
	4	W.SW.	SW.	W. by S	W. by S.	W. by S.	W.	W.	W.	W.	W.	W. NW.	NW.byN.
	5	W. by N.	W.NW.	W.NW	W.NW.	W.NW.	W.NW.	NW.byW	NW.byW	NW.byW	NW.	NW.	NW.byN.
	6	W.	W.	W.	W.	W.	W.	W.NW	NW.byW	NW.byW	NW.	NW.byN.	N. by W.
	7	W. by N.	W. by N.	W. by N.	W. by N.	W.NW.	W.NW.	NW.byW	NW.byW	NW.byW	NW.	NW.byN.	NW.byN.
	8	W. by N.	W. by N.	W.NW.	NW.byW	NW.byW	NW.byN.	NW.	NW.	NW.	NW.	NW.	NW.
	9	W.	W.NW.	W.NW.	W.NW.	NW.	NW.	NW.	NW.	NW.	NW.	NW.	W. by W.
	10	W.	W, by N.	W.NW.	NW.byW	NW.byW	NW.byW	NW.byW	W.NW	W. NW.	W. NW.	W. NW	W. NW.
	11	W. by N.	W.NW.	NW.byW	NW.byW	NW.byW	NW.byW	NW.	NW.	NW.	W. by N.	S. by E.	S. by E.
	12	NW.byW	W.NW.	W.NW.	NW.byN.	N.NW.	NW.	NW.byN.	NE.	NE.	NE.	NE.	NE.
	13	NW.byW	NW.byW	W. by N.	W.	W.NW.	W.NW.	NW.	NW.	NW.	NW.	NW.	NW.
	14	NW.byW	NW.	NW.	NW.	N. by W.	W.NW.	SW.byW.	W. by N.	W. NW.	W. NW.	W. NW.	NW.
	15	W.NW.	W.NW.	W.NW.	W.NW.	W.NW.	W.NW.	W.NW.	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW
	16	W. by N.	W. by N.	W. by N.	W.	W.	W. by S.	W.	W.	W.	W.	W. by S.	W. by S.
	17	SW.byW.	SW.	W.SW.	W. by S.	W.	W.NW.	W.NW.	SW. by S	SW. by S.	SW. by S.	SW. by S.	SW. by S.
	18	W.SW.	W.	W.	W.	W.	SW.	SW. by S	W. SW.	SW.byW.	SW.byW.	SW.byW.	SW.byW.
	19	W.	W. by S.	W. by S.	W. by S.	W.SW.	W.	W. by N.	W. by N.	NW.byN.	W. NW.	W. NW.	W.
	20	W.	W.	W.	W.	W.	W.SW.	SW.byW.	W. SW.	W. by S.	W. by S.	W. by S.	W. by S.
	21	NW byW.	W.NW.	NW.byW	W.	W. by S.	W. by S.	W. by S.	W. by S.	W. by S.	SW.	SW.	SW.
	22	W.	W.	W. by N.	W.NW.	W by N.	W. by N.	W. by N.	W. by N.	W. by N.	W.	W.	W.
	23	W.	W.	W. by N.	W.	W.	W.	W. by S.	W. by S.	W. by S.	W. by S.	W. by S.	W. by S.
	24	NW.byW	W.NW.	NW.byW	W.NW.	W.NW.	W.NW.	W.	W. by S.	W. by S.	W. by S.	W. by S.	W. by S.
	25	W.	W.	W.	W.	W. by N.	W. by N.	W. by N.	W.	W. by S.	W. by S.	W. by S.	W. by S.
	26	SW.	SW.	SW.	SW.	SW.byW.	SW.	SW.	SW.byW.	SW.byW.	W. SW.	SW.byW.	SW.byW.
	27	W.SW.	W. by S.	SW.byW.	SW.	SW.byW.	SW. by S.	W. by S.	SW.	SW.byW.	SW.byW.	SW.byW.	SW.byW.
	28	SW.byW.	SW.byW.	SW.	SW.by S.	SW. by S.	SW. by S.	S.SW.	S. SW.	S. SW.	S. SW.	SW. by S.	SW. by S.
	29	W. by N.	W.	W.SW.	W.SW.	W.SW.	W.SW.	W.SW.	W. SW.	W. SW.	W. SW.	W. SW.	SW.
	30	W. by S.	W.	W. by N.	W.	SW.byW.	SW.byW.	SW.byW.	SW.byW.	W. SW.	W. SW.	W. SW.	W. SW.
	31	W.	W.	W.	W. by S.	W. by S.	W by S.	W.SW.	SW.byW.	SW.byW.	SW.byW.	SW.byW.	SW.byW

DIRECTION OF THE WIND, BY OSLER'S WIND GAUGE.

Date. Göttingen Mean Time.		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
APRIL, 1846.	1	NW.	NW.	NW.byW	NW.byW	NW.byN.	N. NE.	N. by W.	NW.byN.	N. NW.	NW.byW	NW.byN.	NW.byN.
	2	N.by W.	N. NW.	NW.	SW.	S. by W.	S.by W.	S. by W	W. SW.	W. by S.	W.SW.	W.	NW.
	3	NW.byW	NW.byW	NW.byW	NW.byW	SW. by S.	SW. by S.	SW.byW.	W.	W. NW.	NW.byW	NW.byW	NW.
	4	N.	N.	N.	N.	NE. by N	E. NE.	NE.	N. by W.	N. by W.	NW.	NW.byN.	NW.byN.
	5	N.	N.	N. by E.	N. by E.	N. by E.	N. NW.	NW.byW	NW.	N.NW.	NW.byW	NW.byW	NW.byW
	6	N.	N.	N.	N.	N. by E.	NE.by N.	NE. by N.	NW.byW	NW.byW	NW.	NW.byW	NW.
	7	N.W.	NW.	NW.	E.	E.	E.	S. SW.	W. SW.	W.SW.	W.	W. by N.	W.
	8	N.	N.E.	NE.	NE.	N.	N.	W.NW	W. by N.	W.	W. by N.	W. by N.	NW.byW
	9	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	S. SW.	W. by S	W.	W.	W.NW.	W. by N.	W.NW.
	10	NW.byW	NW.byW	NW.byW	NW.byN.	NW.byN.	NW.	W. by N.	W. NW.	W NW.	NW.	NW.	NW.byN.
	11	N.W.	NW.byN.	NW.byN.	N. by W.	N.NE.	E. NE.	N.	N.NW.	NW.	W.NW.	W.NW.	W. NW.
	12	N.NW.	N. by W.	N.	N.	N.	N.	N.	NW.byN.	NW.	NW.byN.	NW.byN.	NW.byN.
	13	N.NW.	N. NW.	N.NW.	N.NW.	N.NW.	N. NW.	N. NW.	NW.byW	W.NW.	NW.	NW.	NW.byN.
	14	N. by W.	N. by W.	N.	N.	N. by W.	N. by W.	N. NW.	N.NW.	N.NW.	NW.byN.	NW.	NW.
	15	N. by W.	N. by W.	N. by W.	E. by W.	E.	SE. by E.	SW. by S.	SW.byW.	SW.byW.	W.	W. by N.	W.NW.
	16	N.W.	NW.	NW.	NW.byN.	NW.byN.	NW.byW	W.	W.	W.SW.	SW.byW.	SW.byW.	W.
	17	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	W. NW.	W. NW.	W by N.	W. NW.	NW.byW	NW.byW
	18	N.W.	NW.byW	NW.byN.	N. by W.	N.NE.	E. NE.	N.	N.NW.	NW.	W.NW.	W. NW.	W.NW.
	19	N.NW.	N. by W.	N.	NE. by N.	NE. by E.	NE.by E.	NE.by E.	W.	W.NW.	NW.	NW.	NW.
	20	N. by E.	N. by E.	N.NE.	NE. by N.	NE. by E.	E. by N.	E. by N.	NW.byN.	N.NW.	NW.byN.	NW.byN.	NW.byN.
	21	N. by E.	N. by E.	N.NE.	NE. by N.	NE. by E.	N.NE.	N. NW.	N. by W.	N. by W.	NW.byN.	NW.byN.	NW.byN.
	22	N.NW.	N.NW.	N.NW.	S. by W.	S. by W.	S. by W.	W. SW.	W. by S.	W.	W.	W. by S.	W. by N.
	23	E. by S.	E. by S.	E. by S.	E. by S.	E. by S.	E. by S.	E. by S.	NW.	NW.byW	NW.byW	W NW.	NW.byW
	24	N.E.	NE.	NE.	NE.	NE.	NW.byN.	NW.	W. by N.	NW.byN.	NW.	NW.byW	NW.
	25	W.	W.	W.	W.	W.	W. by N.	W. by N.	NW.	NW.	NW.	NW.	NW.
	26	N.NE.	NE. by E.	E.NE.	E. by N.	NE. by E	NE.	NW.	NW byW	W.NW.	NW.byW	NW.	NW.byN.
	27	N. by W.	N. by W.	N. by W.	NE.byN.	NE.	NE. by N.	N. by E.	NW.byN.	NW.	NW.byN.	NW.byN.	N.NW.
	28	N.	N.	N.	N.	N. by W.	NW.byN.	NW.byN.	NW.byN.	NW.	NW.	NW.byW	NW.byW
	29	N.W.	NW.	NW.	NW.	NW.	NW.	NW.byW	W.	W. by S.	W. SW.	W.	W.
	30	N.W.	NW.	NW.	NW.	NW.	NW.	NW.byW	W.	W.	W. by N.	W. by N.	W. NW.
	31												

DIRECTION OF THE WIND, BY OSLER'S WIND GAUGE.

Date. Göttingen Mean Time.		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
MAY, 1846.	1	NW.	SW.	SW.	SW. by S.	S. by W.	S. by W.	SW.	W.SW.	W. by S.	W. by N.	W. by N.	W.NW.
	2	NW.byW	NW.	NW.	NW.byW	NW.byW	SW.byW.	W. SW.	W.SW.	W. by S	SW.byW.	SW.byW.	SW.byW.
	3	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	NW.byW	W. SW.	SW.byW.	W. by S.	W. by S.	W. SW.	W. by S.
	4	N.NW.	N. NW.	N. by W.	N. by W.	N.	E. by N.	SW.byW.	W. by S.	W.	W. by N.	W.	W. by N.
	5	N.NW.	N.	N. by E.	N by E.	N. by E.	E. SE.	SW. by S.	SW.	W. by S.	W. by S.	W.	W.
	6	N.NW.	N. NW.	N.	N. by E.	N. by E.	N. by W.	NW.	NW.	NW.	W.	W.	W.
	7	NW.byN.	NW.byN.	N.	N. by E.	N. NE.	N. NE.	SW.	W.SW.	W. SW.	W. by S.	W.	W. by N.
	8	NW.	NW.	NW.	N. by W.	N.	E. NE.	SW. by S.	SW.	SW.	W. by N.	W. by N.	W.
	9	W. by S.	W. by S.	S.	S.	S.	S.	S.	SW.byW.	W. by S.	W.	W.	W.
	10	W. by N.	W. by N.	W.NW.	W. NW.	W. NW	W. by N.	W. by N.	W. by N.	W. by N.	W.NW.	W. NW.	W.NW.
	11	S. by E.	S. by E.	S. by E.	S. by E.	S. by E.	SW.	W. SW.	W.byS.	W. by N.	W. by N.	W. by N.	NW.byW
	12	NE.	S.SE.	S.SE.	S. by E.	W. by S.	W. by S.	W. by S.	W.	W. by N.	W. by N.	W. NW.	W. by N.
	13	NW.	NW.	NW.	NW.	N.NW.	N. by W.	N.	N. NE.	W. by N.	W.	W.	W. by N.
	14	NW.	NW.	NW.	SW. by S	SW. by S.	W.SW.	SW.byW.	SW.byW.	SW.	W. by N.	W. NW	W. by N.
	15	NW.byW	NW.byW	NW.byW	NW.byW	W.	SW.byW.	SW.	SW.	SW.byW.	W. by S.	W.	W.
	16	W.	W. by S.	S. by W.	S. by W.	S. by W.	SW.byS.	W. SW.	SW.	SW.	SW. by S.	SW.	SW.
	17	SW. by S.	SW.by S	SW. by S.	SW. by S.	S.W.	W.SW.	W. by S.	W.	W. by S.	W. by N.	W. by S.	W. by N.
	18	SW.byW.	SW byW	SW.byW.	SW.byW.	SW.byW.	W.SW.	W.	W by S.	W. by S.	W. by S.	W. by S.	W.
	19	SW.byW.	SW.	SW. by S.	SW. by S.	SW. by S.	SW.byS.	SW.byW.	SW.byW.	SW.	W.	W.	W.
	20	W. by S.	W.	W.	W.	S.W.	SW.byS.	SW.	SW.	SW.	W. by S.	W.	W.
	21	SW.	SW.	SW.	S.W.	S.W.	SW.	SW.byW.	SW.byW.	W. SW.	W. SW.	W. by S.	W. by S.
	22	W.	W.	W.	W.	W.	W.	W.	W. by S.	W. by S.	W. by S.	W.	W.
	23	W.SW.	W.SW.	W.SW.	W. by S.	W. by S.	W. by S.	W. SW.	W.SW.	W. SW.	W. by N.	NW.	NW.byW
	24	W. by S.	W. by S.	W. by S.	W. by S.	SW.byW.	SW.	SW.	SW.byW.	W. by S.	W. SW.	W. by S.	W. by S.
	25	W. by S.	W. by S.	W. by S.	SW.byW.	SW.byW.	SW.byW.	SW.	SW.	W. by S.	SW.byW.	SW.	SW. by S.
	26	W.SW.	W. SW.	W.SW.	SW.byW.	SW.byW.	W. by S.	W. by S.	W.SW.	W. SW.	SW.byW.	SW.	SW.byW.
	27	SW.	SW.	SW.	SW.byW.	S.W.	SW.	SW.	W.SW.	W. by S.	SW.	SW.byW.	W. SW.
	28	SW.	SW.	SW.	S.W.	SW. by S.	SW.byW.	W SW.	SW.byW.	SW.	W. SW.	W. by S.	W.
	29	W. by S.	W. by S.	W. by S.	W. by N.	W.NW.	W. NW.	W. NW.	W.	W. SW.	W. by N.	W.	W. by S.
	30	W.SW.	W.SW.	W.SW.	S.	S. by E.	S.SW.	SW.	W.SW.	W. SW.	W. SW.	SW.byW.	W.
	31	SW.byW.	SW.byW.	SW.byW.	SW.byW.	S.W.	S.SW.	SW. by S.	SW.byW.	SW.byW.	W. SW.	SW.byW.	SW.byW.

Date.	Göttingen Mean Time.	DIRECTION OF THE WIND, BY OSLER'S WIND GAUGE.											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
JUNE, 1846.	1	SW.	SW.byW.	SW.byW.	SW.	SW. by S.	SW.	SW.	SW.	SW.	SW.byW.	SW.byW.	SW.byW.
	2	S. SW.	S. by W.	S. by W.	S.	S. by W.	S. by W.	S.SW.	S. by E.	S.	S. by E.	S. by W.	S.
	3	SW. by S.	SW. by S.	S. by W.	S. by W.	S. by W.	S. by W.	S.	S.	S. by E.	S.SE.	S. SE.	S. SE.
	4	W.	W. by S.	W.	W.	W. by N.	W. by N.	W. by N.	W. NW.	W. NW.	W. NW.	W. NW.	W. NW.
	5	W.	W.	W. by N.	W.	W. by S.	W. by S.	W. by S.	W. by S.	W.	W.	W.	W.
	6	W. by N.	W. by N.	W. by N.	W.	W.	W. by S.	W.	W.	W.	W.	W.	W.
	7	W. by N.	W.	W.	W.	W.	W. by N.	W. by N.	W. by N.	W. by N.	W. by N.	W. by N.	W. by N.
	8	SW. by S.	SW.	SW. by S.	SW.byW.	SW.byW.	SW. by S.	SW.	SW.	SW. by S.	SW. by S.	SW. by S.	SW. by S.
	9	W. SW.	SW.byW.	SW.byW.	SW.byW.	NW.	NE. by N.	N.	W.	SW. by S.	SW. by S	S.	S. by E.
	10	S. by W.	S. by W.	SW. by S.	S.	S. SE.	S. SE.	SW. by S.	S. by W.	S. by E.	SE. by S.	SE. by S.	S. SE.
	11	S. by W.	S. by E.	SE.	SE.	SE.	SE. by S.	SE.	SE.	SE. by E.	SE. by E	E. SE.	E. SE.
	12	S. SW.	SW.	SW.byW.	W.	W. by S.	SW.byW.	—	—	—	—	—	—
	13	S. by E.	S. by E.	S.	S.	S.	S.	S. by E.	SE. by S.	SE. by S.	S by E.	S. by E.	S. SE.
	14	S. by W.	S. SW.	SW. by S.	S. SW.	SW.	W.	S.	S. by E.	S. by E.	S. by E.	S. by E.	S. SE.
	15	S.	S.	S.	S.	S.	S.	S. SW.	S. by W.	S.	S.	S.	S.
	16	S. SW.	SW. by S.	S.	S.	S.	S.	S.	S. by W.	S. by W.	S.	SW. by S.	SW. by S.
	17	SW.	W. SW.	SW.byW.	S. by W.	W. SW.	S. by E.	W. by S.	W.	W.	W. by S.	W. SW.	S. SW.
	18	S.	S. by W.	S. by E.	N.NW.	S.	S.	S. by E.	S. SE.	SE. by S.	SE by S.	S. SE.	S. by E.
	19	SW. by S.	SW. by S.	SW.	SW.	SW. by S.	SW.	SW by S.	S. SW.	S. SW.	S. SW.	SW. by S.	SW. by S.
	20	SW.	SW. by S.	SW.	SW.	SW. by S.	SW. by S.	SW. by S.	SW.	SW. by S.	SW. by S.	SW.	SW. by S.
	21	SW. by S.	SW. by S.	SW. by S.	S. by W.	W.	SW.	SW. by S.	SW.	W. SW.	W. by S.	W. by S.	SW.byW.
	22	SW.	SW.	SW.	SW. by S.	SW. by S.	SW.	SW. by S.	SW. by S.	SW.	SW.	SW.	SW.
	23	SW.	SW. by S.	S. SW.	S. SW.	S. by W.	S. by W.	SW. by S.	S. SW.	S. by W.	S.	SW. by S.	SW.
	24	SW. by S.	SW. by S.	SW. by S.	SW. by S.	SW. by S.	SW.	SW. by S.	SW. by S.	SW. by S.	SW. by S.	SW.	W.
	25	S. by W.	S.	SW. by S.	S. by E.	S. SE.	S.	SW. by S.	SW.	S.	S. SW.	SW.byW.	SW.byW.
	26	W. by S.	SW.byW.	W.SW.	SW.byW.	SW.	SW.byW.	SW.	SW.	SW.byW.	SW.	SW.	W. SW.
	27	SW.	SW.	W.	SW.byW.	W. by S.	SW.	W. by S.	W. SW.	SW.byW.	SW.byW.	W. by S.	W. by S.
	28	SW. by S.	SW. by S.	SW.	S. SW.	SW.	W. SW.	SW.	SW.	SW.	SW.	S. SW.	S. SW.
	29	SW. by S.	S. by W.	SW.byW	SW.	SW.byW.	SW.	W. SW.	SW. by S.	SW. by S.	SW. by S.	SW. by S.	SW. by S.
	30	SW.	SW.	SW.	W. by S.	W. by S.	W. by S.	SW.	W. SW.	W. by S.	W. by S.	W. by S.	W. SW
	31												

Date.	Göttingen Mean Time.	DIRECTION OF THE WIND, BY OSLER'S WIND GAUGE.											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
JULY, 1846.	1	W. SW.	W. SW.	SW.byW.	W. SW.	SW.	W. SW.	SW.	SW.	W. SW.	W. SW.	W. SW.	SW.byW.
	2	SW.	SW.	SW.	SW.	SW.byW.	SW.byW.	SW.byW.	SW.	SW.	SW.	SW.	SW. by S.
	3	SW.	SW.	SW.	SW.	SW.	SW.	SW.	SW.	SW.	SW.	SW.	SW.
	4	SW. by S.	S. SW.	SW. by S.	S. SW.	SW. by S.	SW.byW.	S. SW.	SW.byS.	SW. by S.	SW.	SW. by S.	SW. by S.
	5	SW by S.	SW. by S.	SW.	SW. by S.	SW by S.	SW. by S.	SW. by S.	SW.	SW.	SW. by S.	SW. by S.	SW. by S.
	6	SW. by S.	S. SW.	SW. by S.	S SW.	SW.	SW. by S.	SW. by S.	SW.	SW by S.	SW. by S.	SW. by S.	SW. by S.
	7	S. SW.	S. SW.	S SW.	SW. by S.	SW. by S.	SW.	SS. W.	S. SW.	S. SW.	S. SW.	S. byW.	S. by W.
	8	SW. by S.	S. SW.	S. SW.	SW. by S.	S. by W.	S. SW.	SS. W.	SW. by S.	S. by W.	S. by W.	SW.	SW. by S.
	9	W. SW.	SW.	SW.	SW.byW.	SW.byW.	SW.byW.	SW.byW.	SW.byW.	SW.byW.	SW.	SW. by S.	SW. by S.
	10	W. by S.	W. SW.	W. SW.	W. SW.	W. SW.	W. SW.	W. SW.	SW.byW.	S. SW.	S. SW.	S. SW.	S. SW.
	11	W. SW.	SW.byW.	SW.byW.	W. SW	W. SW.	W. SW.	W. SW.	W. SW.	W. SW.	W. SW.	W. SW.	W. by S.
	12	NW.byW	W. NW.	W. NW.	W NW.	NW.byW	W. NW.	NW.	NW.	NW.	NW.	NW.byN.	NW.byN.
	13	NW.byW	NW.byN.	N. NW.	N. NW.	N. NW.	N. NW.	N. NW.	N. NW.	N. NW.	N. NW.	N. NW.	—
	14	SW.	NW.byW	W.	W.	W. SW	SW.byW	W. SW.	W. SW.	W. SW.	W. SW.	SW.	SW.
	15	NW.byW	NW.byW	NW.byW	W. by N.	NW byW	W. NW.	W. NW.	W. SW.	SW.byW.	SW.byW.	W. by S.	W. by S.
	16	W. SW.	W. by S.	SW.byW.	W. by S.	W.	SW.	W. SW.	SW byW.	SW.	W.	W. SW.	SW.byW.
	17	W. by N	W.	W. by N.	W. NW.	W. NW.	W. NW.	W. NW.	W. by N.	W.	W. by S.	W. by S.	W. by S.
	18	NW.byW	W. by N.	W.	W. by S.	W. by S.	W. by S.	SW.byW.	W. SW.	W. by S.	W.	W.	W. by N.
	19	W. NW.	W. by S.	W.	W.	SW.byW.	W.	SW byW	SW.byW.	SW.byW.	W. by S.	SW.byW.	SW.byW.
	20	SW.byW.	SW.	SW.byW.	SW. by S.	S. SW.	SW. by S.	SW. by S.	SW.	SW. by S.	SW.	W. SW.	SW. by S.
	21	SW.byW.	W. SW.	SW.byW.	SW.byW.	W. SW.	SW.byW.	SW.byW.	SW.	SW.	SW.	W. SW.	W. SW.
	22	SW. by S.	SW.byW.	SW.byW.	SW.byW.	SW.	SW.byW.	SW.	SW.byW.	SW.	W. by S.	SW.byW.	SW.byW.
	23	SW.	SW.	W. by S.	SW.byW.	W. by S.	SW.byW.	SW.byW.	W. SW.	W. by S.	W. by S.	W. by S.	W.
	24	W. by N.	W. by S.	W.	W.	W. by N.	W.	W.	W.	W.	NW.byW	W. NW.	NW.byW
	25	SW.byW.	W. SW.	W.	W. SW.	W. by S.	W.	W. by S.	W.	W. SW.	W.	NW.byW	W. SW.
	26	W.	W.	W. SW.	W.	W.	W.	W.	W. by S.	W. by S.	W. SW.	W.	W. SW.
	27	W. by N.	W. by S.	W. NW.	W. NW.	—	—	W. by S.	W. by S.	W.	W.	W. by S.	W. by S.
	28	W. by S.	W. by N.	W.	W. by S.	W.	W. NW.	W.	W.	W.	W. by S.	W. by S.	W. NW.
	29	W. by S.	W.	W. by S.	W.	W. by N	W.	W.	W.	W.	W.	W.	W.
	30	W. by S.	W. by S.	SW.byW.	W. by S.	SW.byW.	W. SW.	W. SW.	SW.byW.	W. SW.	SW.byW.	SW.byW	W. by S.
	31	W. SW.	SW.	SW.	W. by S.	W. SW.	W. by S.	W. SW.	SW.	SW.	W. SW.	W. SW	SW.

Date. Göttingen Mean Time.		DIRECTION OF THE WIND, BY OSLER'S WIND GAUGE.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
JUNE, 1846.	1	W. by N.	W. NW.	NE. by N.	NE. by N	NE. by N.	NE.	NE.	S.	S.	SW. by S.	S. SW.	S. by W.
	2	S. by E.	S. by E.	S. SE.	S. SE.	S. SE.	S. SE.	S. by E.	S. by W.	S. by W.	S. SW.	SW.	SW. by S.
	3	S. SE.	S. SE.	S. SE.	S. SE.	S. SE.	S. SE.	S.	SW. by W.	W. by S.	W.	W. by N.	W.
	4	W. by N.	W. by N.	W. by N.	S.	S. by E.	S. by W.	S. SW.	SW.	SW.	W. SW.	W. SW.	W.
	5	W.	W.	W.	NW.	NW.	NW. by W	W. by N.	W.	W.	W. by N.	W. by N.	W.
	6	W.	W.	W.	W. by N.	NW. by W	NW.	NW.	NW.	W. NW.	W. NW.	W. NW.	W. NW.
	7	W. by N.	W. by N.	W. by N.	S.	S. SE.	S. SE.	S. by E.	S. by W.	S. by W.	S. SW.	SW.	SW. by W.
	8	SW. by S.	SW. by S	SW. by S.	S. by E.	S. by E.	S. by E.	S. by E.	S. by W.	SW. by S.	SW. by W	SW. by W.	SW.
	9	SE. by S.	SE. by S.	SE. by S.	SW. by S.	S. by W.	S. by W.	S.	S.	S.	S.	S. by W.	SW. by W.
	10	S. SE.	SE. by S.	SE. by S.	SE. by E.	SE. by E.	SE. by S	S. SE.	S. by E.	SE. by S.	SE. by S.	S. by E.	S.
	11	SE. by E.	E. SE	E. SE.	E. SE.	E. SE.	E. SE.	E. SE.	SE.	S. by W.	SW. by S.	S. by W.	S. by W.
	12	—	—	—	—	W. NW.	NW. by W	N. NW.	SW.	N. by W.	NW. by W	SW. by S.	S.
	13	SE. by S.	SE. by S.	S. by E.	S. SE.	SE. by E.	S. by E.	S. by E.	S. by E.	S. by E.	S. by E.	S.	SW. by S.
	14	S. SE.	S. by E.	S. by E.	S. SE.	S. SE.	S. SE.	S.	S.	S.	S. by W.	S. by W.	S. by W.
	15	S.	S.	S. by E.	S.	S. by E.	S.	S. by E.	S. by W.	S.	S.	S.	S. SW
	16	SW. by S.	W.	SW.	SW.	W. by S.	SW. by S.	S. SW.	E. by S.	SE. by E.	S. SW.	SW.	SW.
	17	S.	S. by E.	N.	N. by W.	NE. by N.	E. SE.	SE. by S.	SE. by S.	SE. by S.	SE. by S.	S. by E.	S. by E.
	18	S. by E.	S. by E.	S. by E.	S. by E.	S. by E.	S. SE.	S. by E.	S.	S. by E.	S. by E.	S. SW.	NW. by W
	19	SW. by S.	SW. by S.	SW. by S.	SW.	SW.	SW.	SW.	SW.	SW. by S.	SW.	SW.	SW.
	20	SW. by S.	SW.	SW. by W.	SW. by W.	SW.	SW.	SW.	SW.	SW. by S.	SW.	SW.	SW.
	21	SW. by W.	W.	SW. by W.	W. SW.	W. SW.	W. SW.	W. SW.	W. SW.	W. SW.	SW. by S.	SW.	SW.
	22	SW.	SW.	SW.	SW.	SW. by W.	SW. by W	SW. by W.	SW.	SW.	SW. by S.	SW. by S.	S.
	23	W. SW.	W. by S.	SW. by W.	S. SW.	SW.	W. by S.	S.	SW. by W.	SW.	SW. by S.	SW.	SW. by S.
	24	SW. by S.	SW. by S.	S. SW.	S. by W.	S. by W.	S. by W.	S. SW.	SW. by S.	SW. by S.	SW. by S.	S. SW.	S.
	25	W. SW.	SW.	S. by W.	SW. by S.	SW. by S.	SW.	SW. by W	W. SW.	W.	W.	SW.	W. SW.
	26	SW.	SW.	SW.	W. SW.	W. by S.	SW. by W.	W. by S.	SW. by W.	SW.	SW.	W.	W. SW.
	27	W.	W. by S.	W. by S.	W. by S.	W. by S.	W.	W. SW.	W. SW.	W. SW.	SW.	SW. by W.	SW.
	28	S. by W.	SW. by S.	S. SW.	S. by W.	S. by W.	SW. by S.	SW. by S.	SW. by S.	SW. by S.	SW.	SW. by S.	S. SW.
	29	SW. by S.	SW. by S.	SW.	SW.	SW.	SW.	SW.	SW.	SW.	SW.	SW.	SW.
	30	W. by S.	W. SW.	W.	W. by S.	W. by S.	W. by S.	W. by S.	W. by S.	W. by S.	W. SW.	W. SW.	SW.
	31												

Date. Göttingen Mean Time.		DIRECTION OF THE WIND, BY OSLER'S WIND GAUGE.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
JULY, 1846.	1	SW. by W.	W. SW.	SW.	SW.	SW. by W.	SW.	W. SW.	W. SW	SW.	W. SW.	SW. by W.	SW.
	2	SW. by S.	SW. by S.	SW. by S.	SW.	W. SW.	W. by S.	W.	SW.	SW. by S.	SW.	SW.	SW. by W.
	3	SW.	SW.	SW.	SW. by S.	SW. by S.	SW. by S.	SW.	SW.	W. SW.	SW. by S.	SW.	SW. by S
	4	SW.	SW.	SW.	SW.	SW.	SW.	SW. by W.	SW. by W.	SW.	SW.	SW.	SW.
	5	SW.	SW. by S.	S. SW.	SW. by S.	SW. by S.	SW.	SW. by S.	SW.	SW.	SW.	SW.	SW. by S.
	6	SW.	S. SW.	S. SW.	S. SW.	SW. by W.	SW. by S.	SW. by S.	SW. by S.	SW. by S.	SW. by S.	SW. by S.	SW. by S.
	7	S. by W.	S. SW.	S. SW.	SW. by S.	SW. by S.	SW. by S.	SW. by S.	SW. by S.	S. SW.	S. SW.	S. SW.	S. SW.
	8	SW. by S.	SW. by S.	SW.	SW.	SW. by S.	S. by W.	S. by W.	S. by W.	S. SW.	SW. by S.	SW. by S.	SW.
	9	SW. by S.	S.	S. by E.	S. by E.	S. SE.	SE. by S.	SE. by S.	S. SE.	S. by E.	SW. by W.	W. SW.	W. SW.
	10	S. SW.	S. by W.	S. by E.	S. by E.	S. by E.	S. by E.	S. by E.	S. by E.	SW. by S.	SW.	W. SW.	W. by S.
	11	W. by S.	W. by S.	W. by S.	S. by E.	S. by E.	S. by E.	NW.	W. NW.	W. NW.	W.	W.	W. NW.
	12	N. NW.	N. NW.	NW. by N.	NW. by N.	NW. by N.	W. NW.	NW. by W	NW. by W	W. NW.	W. NW.	W.	W. NW.
	13	—	—	—	—	—	—	W. by N.	S. SW.	SW.	SW. by W.	SW. by W.	SW. by W.
	14	SW.	S. by W.	W. by N	W. NW.	W.	W.	S. by W.	S.	W.	W.	W. NW.	NW. by W
	15	SW. by W.	SW.	W. SW.	W.	W. by S.	W. by S.	W. SW.	W. SW.	SW.	W. SW.	W. SW.	W. SW.
	16	W. by S.	W. SW.	W.	W. SW.	SW. by W.	W. SW.	W. by S.	W.	W.	W. by S.	W. by S.	W.
	17	W. by S.	W. SW.	W. by S.	W. SW.	W.	W.	W. by S.	SW. by W.	W. by S.	SW. by W.	W.	W. by N.
	18	W. NW.	W. NW.	NW. by W	W. by N.	W. NW.	W. by N.	W. by N.	NW. by W	NW. by W	W. NW.	W. NW.	NW. by W
	19	W.	W.	W. by S.	W.	W.	W.	W.	W.	W.	SW. by W.	SW. by W.	SW.
	20	SW. by W.	W. by S.	SW.	SW. by W.	W. SW.	W.	SW.	SW.	SW.	W. SW.	W. SW.	SW. by W.
	21	SW. by W.	SW. by W.	W.	W. by S.	W. by S.	SW. by W.	W. SW.	W. SW.	W. SW.	W. SW.	SW.	SW. by S.
	22	SW. by S.	SW. by S.	SW. by S.	SW.	SW.	SW. by S.	SW. by S.	SW. by S.	SW.	SW. by S.	SW.	SW.
	23	W. by S.	W. by S.	W. by S.	W. by N.	NW. by W	W. by S.	W. SW.	W. by S.	W. by S.	W.	W.	NW. by W
	24	NW. by W	W NW.	NW. by W	NW. by W	W. NW.	W. NW.	W.	W.	W. NW.	W.	W.	W. SW.
	25	W. by N.	W. by S.	W. by S.	W.	W. by S.	W. by S.	W.	W.	W. by S.	W.	W.	W. by S.
	26	W. by S.	W. by S.	W. by N.	W. by N.	W. by S.	W. by S.	W. by S.	W. by S.	W. SW.	W.	W.	W.
	27	W.	W. by S.	W. by S.	W.	W.	W. by S.	W. NW.	W. by S.	W. by S.	W. by S.	W.	W.
	28	W. by S.	W. by S.	W. by S.	W. by S.	W.	W. by S.	W. by S.	W. by S.	W. by S.	W. SW.	W.	W. SW.
	29	W.	W.	W.	NW. by W	W. by N.	W. by N.	W. NW.	NW. by W	W. by N.	W. by S.	SW. by W.	W. SW.
	30	SW. by W.	W. SW.	SW.	SW. by W.	SW. by W.	W. SW.	W. SW.	W. SW.	W. SW.	W. SW.	W. SW.	W. SW.
	31	SW.	SW. by W.	SW.	SW.	SW.	SW. by S.	SW. by W.	W. SW.	SW.	W. by S.	SW. by W.	W. by S.

DIRECTION OF THE WIND, BY OSLER'S WIND GAUGE.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
AUGUST, 1846.	1	W.SW.	SW.	W.SW.	SW.	W.	W.SW.	W. by S	W SW	SW.byW.	SW.byW.	SW.byW.	SW.byW.
	2	SW. by S.	S.SW.	SW. by S.	SW. by S.	SW. by S.	S. by W.	S by W.	S.SW	S.SW.	S.SW.	SW. by S.	S. by W.
	3	SW.	SW.	SW byW.	SW.	SW. by S.	SW. by S.	SW.byW.	SW.byW.	SW.byW.	SW.byW.	SW.byW.	W.SW.
	4	SW.	SW.	SW.byW.	SW byW.	SW.byW.	SW.byW.	SW.byW.	W. by S	W.SW.	W. by S.	W.SW.	W.SW.
	5	SW.byW.	W.SW.	W. by S.	W. by S.	W. by S.	W. by S.	W. by S.	W.	W. by S.	W.SW.	W. by S.	W by S.
	6	SW.byW.	SW. by S.	SW. by S.	SW. by S	SW.	SW.	SW.	SW.byW.	SW.byW.	SW.byW.	W.SW.	W. by S.
	7	W.	W.	W.	W. by N	W.	W.	W. by N.	W.	W. by N.	W.	W.	W.
	8	W. by N.	W.NW.	W NW.	W. by S.	W.	W.	W.	W.	W.	W. by N.	W. by S.	W.
	9	W.SW.	W.SW.	W. SW.	W. by S	W.SW.	SW.	SW.	SW.	W.SW.	W.SW.	SW.byW.	SW.byW.
	10	S.SW.	S.SW.	S.SW.	S.SW.	S.SW.	SW. by S.	S.SW	S.SW.	S.SW.	SW. by S.	SW. by S.	SW. by S.
	11	W.SW	SW.byW.	W.SW.	W.SW.	SW.byW.	SW.byW.	SW.byW.	SW.	SW.byW.	SW.byW.	SW.byW.	SW.byW.
	12	W. by N.	W.	W. by S.	W.SW.	W. by S.	SW byW.	SW.byW.	W. by W.	W.SW.	W.SW.	W.SW	SW.byW.
	13	W.SW.	SW.byW.	W.SW.	SW.byW.	W.SW.	W.SW.	W.SW.	W. by S.	W.SW.	W.SW.	SW.byW.	W.SW
	14	W.	W. by N.	W. by N.	W. by S	W. by S.	W. by S.	W.	W.	W.	W.	W.	W. by N.
	15	W.NW.	W.NW.	W.NW.	W.NW.	NW byW	W. by N.	W. by N.	W.NW.	W.NW.	NW.byW	NW.byW	W.NW.
	16	NW.	NW.byW	NW.byN.	NW.byN.	NW.byN.	N.NW.	N NW.	W.NW.	W. by N.	W.NW.	W. by N.	W.
	17	W.	W.	W.SW.	W.SW.	W. by S.	W. by S.	W. by S.	W. by N.	W. by S.	W. by S.	W. by S.	W.NW.
	18	SW.	SW.	SW.byW.	W.	W. by S.	W.	W.SW.	SW by S.	SW.byW.	W.SW.	W.SW.	W.SW.
	19	W.	W.SW.	W. by S.	W.SW.	SW.byW.	SW.byW.	SW.byW.	SW.	SW.byW.	SW.byW.	SW.byW.	SW.
	20	W.SW.	SW.byW.	W.	W. by S.	W.	SW.byW.	SW.byW.	SW.by W	SW.byW.	W.	W. by N.	W.SW.
	21	W. by S.	W.SW.	W. by S.	W. by S.	W.SW.	W.SW.	W.SW.	W.SW.	W. by S.	W.SW.	W.SW.	W.SW.
	22	W. by S.	W. by S.	W.SW.	W.SW.	W.SW.	W.SW.	W.SW.	SW.byW.	SW.	W.SW.	W. by S.	W.SW.
	23	W.SW.	SW.	W.	W. by S	W.SW.	W.SW.	W. by S.	W.SW.	SW.byW	SW.byW.	SW.byW.	W.SW.
	24	W.SW.	W. by S.	W.	W NW.	SW. by S.	S.SW.	SW.byW	SW.	SW. by S.	SW. by S.	SW. by S.	SW.
	25	SW.	W.SW.	SW.byW.	SW.byW.	SW.byW.	SW.byW.	SW.byW.	SW.byW.	SW. by S.	SW. by S.	SW by S.	SW.
	26	W.SW.	W. by S.	W.SW.	SW.byW.	SW by W	SW.byW.	SW.byW.	SW.byW.	W. by S.	W. by S.	W. by S.	W. by S.
	27	W. by S.	W. by N.	W. by N.	W. by N.	W.	W. by N.	W.NW.	W. by N.	W. by N.	W. by N.	W.	W.
	28	W. by S.	SW.byW.	SW. by S.	SW.	W.	W. by N.	W. by S.	W. by S.	W.SW.	W. by S.	W.	NW.byW
	29	W. by S.	W. by N.	W.	W.NW.	NW.byW	W. by N.	W.NW.	W.NW.	W.SW.	W. by S.	W. by S.	W. by S.
	30	SW. by S.	SW. by S.	SW. by S.	S.SW.	S. by W.	S. by E.	S. by E	S. by E.	SW.byW.	W.	W.NW.	W. by S.
	31	W.NW.	W.NW.	W. by S.	W. by S.	SW.byW.	W. by S.	W. by S	W. by S.	W.SW.	W. by S	W.	W.SW.

DIRECTION OF THE WIND, BY OSLER'S WIND GAUGE.

Date. Göttingen Mean Time.		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
SEPTEMBER, 1846.	1	W.	W.	NW.byW	W.NW.	W.	SW.byW.	W.	W.SW.	W.SW.	W.	W.	W.
	2	W. by S.	W.	W. by S.	W. by S.	W.	W. by S.	W. by S.	W. by S.	W. by S.	SW.byW.	W. by S.	W. by S.
	3	W.SW.	W.SW	W.SW.	SW.byW.	W.SW.	W.SW.	W.SW.	SW.byW.	W.SW.	SW.byW.	SW.byW.	SW.
	4	W. by N	W.NW.	W. by N.	W.NW.	NW.byW	NW.byW	NW.byW	W.NW.	NW.byW	NW.byW	NW.byW	W.NW.
	5	SW. by S.	SW. by S.	SW.	SW.	SW.byW.	SW.	W.SW	W. by S.	W. by S.	W. by S.	W. by S.	S. by W.
	6	W. by N.	W.NW.	W.NW.	W. by S.	W NW.	W.	W. by S.	W.	W.	W. by S.	W. by S.	W. by N.
	7	W.NW.	W.	W.	W.	W.	W.	W. by N.	W.NW.	W.SW.	W. by S.	W. by S.	W. by S.
	8	W.NW.	W.NW.	W.NW.	W.NW.	NW.byW	W.NW.	W.NW.	NW.byW	W.NW.	W.NW.	W.	SW.byW.
	9	W.	W. by N.	W.	W.NW.	W. by S.	W.	W. by N.	NW.	NW.byW	W. by N.	W NW.	W.NW.
	10	W. by S.	W. by S.	W. by S	W.NW.	NW.byW	W.	NW.	NW.	W. by N.	W. by N.	W. by N.	W.NW.
	11	W.NW.	W.	W.	W.	W. by N.	W.NW.	W.NW.	NW.byW	W.NW.	W.NW.	NW.byW	NW.byW
	12	W.NW.	NW.byW	N.NW.	NW.	NW.	NW.	NW.byW	NW.byW	NW.byW	NW.byW	W.NW.	NW.byW
	13	W. by N.	W. by N.	W. by N.	W. by N.	W. by N.	W. by N.	W.	W. by N.	W. by N.	W. by N.	W. by N.	W. by N.
	14	W.NW.	W.NW.	W.NW.	NW.byW	NW.byW	W.NW.	W. by N.	W.NW.	NW.byN.	W.NW.	NW.byW	NW.byW
	15	NW.byW	W.NW.	W.NW	NW.byW	NW.byW	W.NW.	W.	W. by N.	W.	NW.	NW.byW	NW.byW
	16	NW.byW	W.NW.	NW.byW	NW.byW	NW.	NW.	W.NW.	W. by S.	NW.byW	NW.byW	NW.byW	NW.
	17	NW.byW	NW.	W. by N.	W. by N.	W. by N.	W.	W.NW.	W. by N.	W.NW.	W.NW.	W.NW.	W.NW.
	18	W.	W. by S.	W. by S.	W. by N.	W. by N.	W. by N.	W. by N.	W. by N.	W. by N.	W. by N.	W.NW.	W.SW.
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	NW.byN.	W.	W.NW.	W. by N.	W.	W SW.	NW.byW	W. by N.	W. by N.	W. by S.	W.SW.	W.SW.
	21	N.NW.	NW.	N.NW.	N.NW.	N.NW.	N.NW.	NW.byW	W.SW.	SW.	SW. by S.	S. by W.	S. by W.
	22	NW.byW	NW.	NW.	NW.	NW.	NW.	W. by N.	W. by N.	W. by N.	W. by N.	W.	SW.
	23	W.NW.	W. by N.	W. by N.	N.NW	W.NW.	W.NW.	W. NW.	W. by N.	W. by S.	W. by S.	W. by S.	W.SW.
	24	W.SW.	W.SW.	W.SW.	W. by S.	W. by S.	W. by S	W. by S.	W. by S.	W by S.	W. by S.	W. by S.	W. by S.
	25	W.SW.	W. by S.	W. by S.	W. by S.	W. by S.	W. by S	W. by S	W. by S	W. by S.	W. by S.	W. by S.	S. by W.
	26	W. by S.	W. by S.	W. by S.	W. by S.	W. by S	W by S	W. by S.	W. by S.	W.	W. by N.	W. by N.	W. by N.
	27	W.SW.	W.	W.	W.	W. by S.	W. by S	W. by S.	W. by S.	W. by S.	W. by S.	W. by S.	W. by S.
	28	NW.byW	NW.byW	NW.byW	NW.	NW.	NW.	NW.	NW.	NW.	NW.	NW.	NW.
	29	NW.	NW.byN	N.NW.	N.NW.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.
	30	NW.byW	NW.	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW
	31												

DIRECTION OF THE WIND, BY OSLER'S WIND GAUGE.

Date.	Göttingen Mean Time.	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
AUGUST, 1846.	1	SW.byW.	SW.byW.	SW.byW.	W.SW.	SW.byW.	SW.	SW.	SW.byW.	SW.byW.	S SW.	S.SW.	SW.
	2	S.SW.	SSW.	S.SW.	SW. by S.	SW. by S.	SW.	SW. by S.	SW. by S.	SW.	SW.	SW.	SW.byW.
	3	SW.byW.	SW.byW.	SW.byW.	SW.byW.	W.SW.	SW.	SW.	SW.	W.SW.	SW.	SW.	SW.
	4	SW.byW.	SW.byW.	SW. by S.	SW.	SW.byW.	SW.	SW.	SW.byW.	SW.byW.	SW.byW.	W. by S.	W.SW.
	5	W. by S.	W. by S.	W.SW.	SW.byW.	W.SW.	SW.	SW.	SW. by S.	SW. by S.	SW.byW.	SW.	SW.
	6	W.SW.	SW. by S.	SW.byW.	W.SW.	W.SW.	W SW.	W.SW.	W.SW.	W.SW.	W. by S.	W. by S.	W.
	7	W. by N.	W. by N.	W. by N.	W.	W. by N.	W. by N.	W. by N.	W. by N.	W.	W. by N.	W. by N	W.NW.
	8	W.	W.	W.	W.	W. by N.	W. by N.	W.	W.	W.	W.	W.	W.NW.
	9	SW.byW.	W.SW	SW.byW.	W.SW.	SW.byW.	SW.	SW. by S.	S.SW.	SW. by S.	SW. by S.	S.SW.	SW. by S.
	10	SW.	S.SW.	SW. by S.	SW.	SW.	SW. by S.	SW.byW.	SW.	SW.	SW.	SW byW.	W.SW.
	11	SW. by S.	SW.byW.	SW.byW.	SW.	SW. by S.	W.SW.	SW byW.	W.SW.	SW.byW.	SW.	SW byW.	W.SW.
	12	SW.byW.	W.SW.	SW.byW.	SW.byW.	SW.	SW.	SW.	SW.byW.	SW.byW.	SW.byW.	SW.	SW.byW.
	13	W. by S.	W. by S.	W. by S.	W. by S.	W.	SW.byW.	W.	W. by N.	W. by N.	W. by S.	W.	W. by N.
	14	W.NW.	W.NW.	NW.	NW.byW	W. by N.	NW.byW	NW.	W.NW.	NW.	W. by N.	W.NW.	W. by N.
	15	NW.	NW.	W.NW.	NW.byW	NW.byW	W.NW.	NW.byW	W.	W.NW.	W. by N.	W. by N.	NW.byW
	16	W. by N.	W.	W. by N.	W. by S.	W. by S.	W. by S.	W. by N.	W.	W.	W.SW.	NW.	NW.byW
	17	W.SW.	W.SW.	W. by S.	W. by S.	W. by S.	W. by N.	W.NW.	W.SW.	W.	W. by S.	SW.byW.	W.SW.
	18	SW.	SW.byW.	SW.byW.	SW.byW.	W.SW.	W.	SW.byW.	W.SW.	W.	W. by N.	W. by N.	W.
	19	W.	SW.byW.	SW.	W.SW.	SW.	W. SW.	SW.byW.	W. by S.	SW.	W. by S	W.SW.	W.SW.
	20	W. by S.	W.SW.	W.	W.	W. by S.	W.	W.SW.	SW.byW.	W.SW.	W.	W. by S.	W.SW.
	21	W.SW.	SW.byW.	W. by S.	W.SW.	SW.	W. by S.	W.SW.	W.	W. by N.	W.	W. by S	W. by S.
	22	W.	W.SW.	W.	W.	W.	W. by S.	W.	W.	W.	SW.	W.NW.	W. by S.
	23	W.SW.	W. by S.	W.	W. by S.	W.NW.	NW.byW	W.SW.	W.SW.	W.SW.	W.	W. by S.	W.SW.
	24	SW. by S.	S.SW	S. by W.	S.	S. by E.	S. by E.	S. by E.	S. by W.	S. by W.	S.SW.	SW. by S.	SW.byW.
	25	SW.	SW. by S.	SW. by S.	SW. by S.	SW. by S.	SW. by S.	SW.	SW.	SW.	SW. by S	SW.	SW.byW.
	26	W.	W. by N.	W.	NW.byW	W.NW.	W. by N.	W.NW.	NW.byW	NW.	NW.	NW.byW	W.
	27	W.	W. by S.	W. by S.	W. by S.	W. by S.	W by S.	W.	W.	W.NW.	W. by N.	W. by N.	W. by S.
	28	NW.byW	W.SW.	W.	W.	W.NW.	W. NW.	W. by N	W. by N.	W.NW.	W SW.	W.	W.NW.
	29	W.SW.	W.SW.	W. by S.	W.SW.	SW.byW.	SW. byW	W.	W.	NW.byW	NW.byW	NW.	SW.
	30	W. by S.	W.SW.	W. by N.	W.	W. by S.	W. by S.	W. by S.	W.SW.	W.	W.	W. by N.	W.NW.
	31	W. by S.	W. by S.	W. by S.	W. by S.	W. by S.	W. by S.	W.NW.	W.	W.	W.	SW.byW.	S.SW.

DIRECTION OF THE WIND, BY OSLER'S WIND GAUGE.

Date.	Göttingen Mean Time.	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
SEPTEMBER, 1846.	1	W	W. by S.	W. by S.	W.	W. by S.	W. SW.	W. by S.	W.NW.	W.	W.	W.	W. by S.
	2	W. by S.	W.SW.	W.	W.SW.	W.	W.	W.	W. by S.	W. by S	W. by N.	W. by S.	SW. by S.
	3	SW.byW.	SW.	SW.byW.	W.	W.SW.	W. by S.	W. by S.	W.SW.	W. by S.	W. by N.	W. by N.	W. by N.
	4	W.NW.	W. by N.	W. by N.	W. by N.	W. by N.	W. by N.	W.SW.	W. by S.	W.NW.	W.	SW. by S.	SW.byW.
	5	S.	S.	SW byW.	S. by W.	W. by S	W.	W.	W. by N.	W. by N.	W. by S.	W.SW.	W.
	6	W.	W.	W. by S.	W. by S.	W.	W.SW.	W. by S.	W. by S.	W. by S.	W.	W.	W.
	7	W.	W.	W. by N.	W.NW.	NW.byW	W.	W.	W. by N.	W.NW.	W.	W.	W.NW.
	8	SW. by S.	W.	W.	W.	W. by N.	W.	W. by N.	W.	W.	W. by S.	W. by N.	W. by S.
	9	W.NW.	W.NW.	NW.byW	W.NW.	W.NW.	NW.byW	NW.byW	W.NW.	W.NW.	W.	W.	W.
	10	NW.byW	W.NW.	NW.byW	NW byW	W. by N.	W. by N.	NW.byN.	W. by N.	W. by N	W.	W. by N.	W. by N.
	11	W. by N.	W. by N.	W. by S.	NW.byW	W.	W. by N.	W.NW.	W NW.	W.NW.	NW.	NW.byW	W. by N.
	12	NW.byW	NW.byW	W.NW.	W.NW.	W. by N	NW.byW	W.NW.	W. by N.	W.	W.	W. by N.	W. by N.
	13	W.NW.	W NW.	W.NW.	W.NW.	NW.byW	W. by N.	NW.byW	NW.byW	NW.	W.	W. by N.	NW.byW
	14	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byN.	W.NW.	W.NW.	W. by N.	W.NW.
	15	NW.byW	NW.	NW.	NW.byW	NW.byW	NW.byW	NW.byW	NW.	NW.	NW.byW	NW.byW	NW.byW
	16	NW.byW	NW.byW	NW.byW	NW.byW	W.NW.	NW.	W.	W.NW.	NW.byW	NW.byN.	NW.	NW.byN.
	17	W.NW.	W.NW.	W.	W.	W.	W.	W.	W.NW.	W. by N.	W. by N.	W.	W.
	18	W. by N.	W.	W. by N.	W.NW.	W. by N.	W. by S.	W.	W.	W.	—	—	—
	19	—	—	—	W.	W.	W.SW.	W.	NW.	W. by N.	W.	W.	W. by S.
	20	W. by N.	W.	W.	NW.byW	NE. by N.	NE. by E.	NE.	N. by W.	N. by W.	N.NW.	N.NW.	N. by W.
	21	S. by W.	S. by W.	S. by W.	S. by W.	SW.	SW.	SW.	SW.	W.SW.	SW.byW.	SW.byW.	SW.byW.
	22	S.SW.	S.SW.	S SW.	S. by W.	S. by W.	S.	S. by W.	W. by N.	W.	W. NW.	W. by N.	W. by N.
	23	W.SW.	W.SW.	S. by W.	S. by E.	S.SE.	SE. by S.	S.SE.	S.SE.	S. by E.	S. SW.	SW.	SW.
	24	W. by S.	S SW.	S.	S.SE.	S.SE.	SE. by S.	SE. by S.	SE. by S.	SE. by S.	SW. by S.	SW.byW.	SW.byW.
	25	S. by W.	S.	S. by E	S. by E.	S.SE.	S·SE	S.SE	S.SE.	SW.by W	SW.byW.	W. by S.	W. by S.
	26	W. by N.	W. by N.	W. by N.	S.	S.	S.	W. by N.	W. by N.	W. by N.	SW.byW.	W. SW.	W.SW.
	27	W. by S.	W.	S.SW.	S.SE.	SE. by S.	SE. by S.	SE. by S.	SW.byW.	W.SW.	W. by S.	W. by N.	W. by N.
	28	NW.	N.	N. by E.	NE.by N.	NE.by N.	NE.	NE.	NW.byW	NW.byN.	NW.byN.	NW.	NW.
	29	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	NW.	NW.byW	NW.byW	NW.byW
	30	NW.	N.	N.NE.	NE.by N.	NE.	NE.	NE.	NE.	E. NE.	NW.byW	W. NW.	W. NW
	31												

DIRECTION OF THE WIND, BY OSLER'S WIND GAUGE.

Date.	Göttingen Mean Time.	Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
OCTOBER, 1816.	1	NW.	NW.byW	NW.byW	NW.	NW.	NW.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	N. NW.
	2	N.NW.	N.NW.	N. by W.	N. by W.	N. by W.	N. by W.	N.	N.	N.	N.	N.	N.
	3	N. by W.	N.NW.	N.NW.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.
	4	N. NW.	N.NW.	NW.byN.	NW.byN.	NW.byN.	NE. by N.	NE.byN.	NE.by N.	NE. by N	NE. by N	NE.by N.	NE.by N.
	5	NW.byN.	N.NW.	N.NW.	NE.	E.	E.	E.	E.	E. by N.	E. by N.	E. NE.	E. NE.
	6	N. NW.	N. by W.	NE.	E. by N.	E. by N.	E. by N.	E. by N.	E. by N.	E. by N.	E. by N.	E. by N.	E. by N.
	7	W.	N. by E.	N.	N.NE.	NE. by N.	NE.byN.	NE.byN.	NE.by N.	NE.by N.	NE. by N.	NE.by N.	NE. by N.
	8	W. by N.	SW. by S.	SW.	W. by N.	E. NE.	N.	NE byE.	E. NE.	E. by N.	E. by N.	S.E.	SE.
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	W. NW.	NW.byW	NW.byN.	NW.byN.	NW.byN.	NW.byN.	N. NW.	N.NW.	N.NW.	N. NW.	N. NW.	N.NW.
	11	NW.	NW.	NW.	NW.	NW.	NW.	NW.	NW.	NW.byW	NW.byW	NW.byW	NW.byW
	12	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.
	13	NW.byN.	N.NW.	N. by W.	N. by W.	N. by W.	N.	N.	N.	N. by E.	N. NE.	N. NE.	N. NE.
	14	NW.byW	NW.byN.	NW.byN.	N.NW.	N.NW.	N.NW.	N.NW.	N. NW.	N.NW.	N. NW.	N.NW.	N. NW.
	15	NW.	NW.byN.	NW.byN.	N.NW.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	SE.
	16	E. SE.	E. by S.	E. by S.	E. by S.	E. by S.	E. SE.	E. SE.	E. SE.	E. SE.	E. SE	E. SE.	E. SE.
	17	N. by W.	S.	S. by W.	SW. by S.	SE. by E.	E. by S.	E. SE.	E. by S.	E. by S.	E. by S.	E. by S.	E. by S.
	18	NW.	NW.byN.	NW.by N	NW.byN.	NW.byN.	NW.byN.	NW.byN.	SW.	SW.	SW.	SW.	SW.
	19	NW.byN.	NW.byN.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.
	20	N. by W.	N. by W.	N. by W.	N.	N.	N.	N.	N.	N.	N. by E.	NE. by N.	NE. by N.
	21	N. NW.	N. by W.	N.	N. by W.	N.	N.	N.	NE.by N.	NE.	NE.by E	NE. by E.	NE. by E.
	22	N. by W.	N.	N.	N. by E.	N. by E.	N. by E.	N. by E.	NE.by N.	NE.by N.	NE.by N.	NE.	N. by E.
	23	—	—	—	—	W. by N.	W. NW.	W.NW.	W. NW.	W.NW.	W.NW.	S. by W.	S by E.
	24	W. by N.	W. by N.	W. NW.	W.NW.	W.NW.	W.NW.	W.NW.	NW.byW	NW.byW	NW.byW	NW.byW	NW.byN.
	25	NW.byN.	NW.	NW.byN.	N.NW.	N.NW.	NW.byN.	N. NW.	N. NW.	N. NW.	N.NW.	N. NW.	N.NW
	26	NW.byN.	N. NW.	N. by W.	NW.byN.	N NW.	N. NW.	N. NW.	N.NW.	N. NW.	N.NW.	N. by W.	N. by W.
	27	NW.byN.	N. NW.	N. NW.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N.
	28	N. NW.	N.NW.	N. by W.	N.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.
	29	N. NW.	N.NW.	N.NW	N. NW.	N. by W.	N. by E.	N. by E.	N. by E.	N. by E.	NW.byN.	NW.byN.	NW.byN.
	30	N. NW.	N.NW.	N.NW.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.
	31	NW.	NW.byN.	NW.byN.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	S. by W.	N. by W.	N. NE.	N. NE.

DIRECTION OF THE WIND, BY OSLER'S WIND GAUGE.

Date.	Göttingen Mean Time.	Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
NOVEMBER, 1846.	1	NW.byN.	NW.byN.	NW.byN.	N. NW.	N. NW.	N. NW.	N. NW.	N. NW.	NE. by E.	NE.by E.	E. NE.	E. NE.
	2	W. by N.	W. by N.	W. by N.	W. by N.	W. by N.	W. by N.	W. by N.	W. by N.	W. by N.	W. by N.	W. by N.	W. by N.
	3	W.	W.	W.	W.	W.	W.	W.	W.	W.	W.	W.	W.
	4	NW.byW	NW.	NW.byN.	NW.byN.	NW.byN	NW.byN.	NW.byN.	NW.byN.	N. NW.	N. NW.	N. NW.	N. NW.
	5	NW.byN.	NW.byN	N. NW.	N. NW.	N. NW.	N. NW.	NW.byN.	N. NW.	SW.byW.	S. by W.	S. by W.	SW.
	6	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN	N. NW.	N. NW.	N. NW.	NW.byN.	N. NW.	N.	N.
	7	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW byW	N. NW.
	8	NW.byW	NW.	NW.byN.	NW.byN	NW.	N. NW.	N. NW.	N. by W.	N.	N.	N.	N. by E.
	9	N. NW.	N. NW.	N. by W.	N. NW	N. NW.	N. by W	N. by W.	N. by W.	N.	NE.by N.	E. NE.	E. by N.
	10	NW.	N. by W.	N. by W.	N. NW.	N. NW.	N. NW.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.	N. by W.
	11	NW.byN.	N. NW.	N. NW.	NW.byN.	NW.byN	NW.byN.	NW.by N	NW.byN.	N.	N. by E.	NE.by N.	NE.by E.
	12	N. by W	N. by W.	N.	N.	N. by E.	N. by E.	N. by E.	N. by E.	N. NE.	NE.by E.	E. NE.	E. NE.
	13	NW.byN	N. NW.	N. NW.	N. NW.	N. by W.	N. by W.	N. by W.	N. by W.	NE.	NE.	NE.by E.	NE.by E.
	14	N. NW.	N. by W.	N. by W.	N. by W.	N. by W.	N.	N.	N.	N. by E.	NE.by N.	NE.by E.	E. NE.
	15	NW.byN	NW.byN.	NW.byN.	NW.byN.	N. NW.	N. by W.	N. by W.	N. by W.	N. by W.	NE.by E.	NE.by E.	NE.by E.
	16	NW.	NW.	N. NW.	NW.byN.	N. NW.	N. NW.	N. NW.	N. NW.	N. NW.	N.	NE.	NE.by E.
	17	NW.byN.	NW.byN.	N. NW.	N. NW.	N. NW.	N. NW.	N. NW.	N. NW.	N.	NE.by E.	NE.by E.	NE.by E.
	18	NW.	N. NW.	N. NW.	N. by W.	N. by W.	N.	N.	N. NE.	N. NE.	NE.	NE.by E.	E. NE.
	19	NW.byN	N. NW.	N. by W.	N. by W.	N.	N. by E.	N. by E.	NE.by N.	NE.	NE.	NE.	NE.
	20	N. NW.	N. by W.	N. by W.	N.	N. by W.	N.	N. by E.	NE.	NE.	NE.	NE.	E. by N.
	21	NW.byN	NW.byN.	N. by W.	N. by W	N. by W.	N.	N.	N.	N. NE.	NE.by N.	NE.by E.	NE.by E.
	22	NW.byN.	NW.byN.	NW.byN.	N. NW.	N. NW.	N. NW.	N. by W.	N. by W.	N. by W.	N.	NE.byN.	NE.by N.
	23	N. by W.	N. by W.	N. by W.	N.	N. by W.	N. by W.	N. by E.	N. by E.	N. by E.	NE.by N.	NE.byN.	NE.by E.
	24	N. NW.	N. by W.	N.	N.	N.	N.	N.	N.	N.	NE.	E. NE.	E. NE.
	25	N. NW.	N.	N.	N.	N. by E	N. NE.	N. NE.	N. NE.	E. NE.	E. NE.	E. NE.	E. NE.
	26	N. by W	N.	N.	N.	N.	N. by E	N. by E.	N. NE.	N. NE.	NE.by N.	NE.by E.	E. NE.
	27	N.	N.	N.	N. by E.	N.	N. by E	N. by E.	N. by E.	N.	N.	NE.by N.	NE.
	28	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW
	29	NW.	NW.	NW.byN	NW.byN	N. by W	N. by W	N. by W.	N. by W.	N. NW.	N. NW.	N. NW.	N. NW.
	30	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW
	31												

Date. Göttingen Mean Time.		DIRECTION OF THE WIND, BY OSLER'S WIND GAUGE.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
OCTOBER, 1846.	1	N.	N. NE.	NE.by N.	NE.by N.	NE.by N.	NE.by N.	N. by W.	NW.	NW.byN.	NW.byN.	NW.	NW.byN.
	2	N.	N.	N.	N.	N. by E.	N. by E	N. by E.	NW.byN.	NW.	NW.byN.	NW.byN.	N. NW.
	3	N. by W.	N. by W.	N. by W.	N. by E.	N. by E.	N. by E.	NW.byN.	NW.byN.	NW.byN.	NW.	NW.	NW.byN.
	4	NE.by N.	NE.by N.	NE.by N	NE.by N.	NE.by N.	NE. byN.	NE.by N.	NW.byN.	NW.	NW.	NW.byN.	NW.
	5	E. NE.	E. NE.	E. NE.	NE.by E.	NE.by E.	NE.by E.	NE.by E.	NE.by E.	NE.by E.	NW.byN.	NW.byN.	N. NW.
	6	E. by N.	E. by N.	E. by N.	E. by N.	E. by N.	SE. by S.	S. by W.	S. by W.	SW. by S.	SW. by S.	SW.	W. by S.
	7	NE.by N.	NE.by N.	NE.by N.	S. by E.	S. by E.	S. by E.	S. by E.	S. by W.	SW.	W. by S.	W.	W. by N.
	8	SE. by E.	SE. by E.	SE. by E.	SE. by E.	SE. by E.	SE. by E.	SE. by E.	SE. by E	SE. by E.	--	—	—
	9	—	—	—	—	—	—	—	—	—	W. SW.	W. by S.	W. by N.
	10	N. NW.	N. by E.	N. by E.	N. by E.	N. by E.	N. NE.	N.NE.	NW.byN	NW.byW	NW.byW	NW.byW	NW.byW
	11	NW.byW	NW.byW	NE.by N.	NE.by N.	NE.by N.	NE.by N.	NE.by N.	NE.by N.	NW.byW	SW.	W. by N.	NW.byW
	12	N. NW.	N.	N. NE.	NE.	NE.	NE.	NE.	NE.	NE.	NW.	NW.	NW.byN.
	13	N. NE.	NE.by N.	NE.by N.	NE.by N.	NE.by N.	NE.by N	NE.by N.	W.	W. by S.	W. by S.	W. by N.	NW.byW
	14	N. by W.	N. by W.	N.	N. NE.	N. NE.	NE.by N.	NE.by N.	NE.by N.	N. NE.	N. NW.	NW.byW	NW.byW
	15	SE. by S.	SE. by S.	SE. by S.	SE. by S.	SE. by S.	SE.	SE.	SE.	SE. by S.	SW.	E. by S.	E. by S.
	16	E. SE.	E. SE.	E. SE.	E. by S.	E. by S.	E. by S	E by S.	E. by S.	S. by E.	W. by N.	NW.	NW.byN.
	17	E. SE.	E. SE.	E. SE.	E. SE.	E. SE.	E. SE.	E. SE.	E. SE.	E. SE.	SW.byW.	W. by N.	W. NW.
	18	SW. by S.	SW. by S.	SW. by S.	S. SW.	S. by E.	S. by E.	S. by E.	N. NE.	N. NE.	NW.byN.	NW.byN.	NW.byN.
	19	N. by W.	N. by W.	N.	N. by E.	N. NE.	NE.	NE.by E.	NE.by E.	NE.by E.	NW.byN.	NW.byN.	NW.byN.
	20	NE.by E.	NE.by E.	E. NE.	E. NE.	E. by N.	E.	E. by N.	E. by N.	E. by N.	NW.byW	NW.byN.	NW.byN.
	21	NE.by E.	NE.by E.	NE.by E.	E. NE.	E. NE.	E. NE.	E. NE.	E. NE.	N. by W.	N. NW.	N. NW.	N. NW.
	22	N. by E.	N. by E.	N. by E.	N. by E.	NE.	NE.	NE.by E.	NE.by E.	NE.by E.	—	—	—
	23	S.SE.	SE. by S.	SE. by S.	SE. by S.	SE. by S.	SE. by S	SE. by S.	SW.byW.	W. SW.	W. SW.	W. by S.	W.
	24	N. NW.	N. NW.	N. by E.	N. NE.	NE.by N.	NE.by N.	NW.byN.	NW.byN.	NW.	NW.byW	NW.	NW.byN.
	25	N. by W.	N. by W.	N. by W.	N.	NE.by N.	NE.by N.	NW.	NW.	NW.	NW.	N. NW.	N. by W.
	26	N. by W.	N. by W.	N. by W.	N.	N. NE.	N. NE.	N. NW.	NW.byN.	NW.	NW.byN.	NW.byN.	NW.byN.
	27	N.	N.	N.	N.	N. by E.	NE.by N.	N. NW.	N. NW.	N. NW.	N. NW.	N. NW.	N. NW.
	28	N.	N.	N.	N.	NE.by N.	NE.	NE.	NW.byN.	NW.	NW.	N. NW.	NW.byN.
	29	N. NW.	N. NW.	N. NW.	N. by W.	N.	N. NE.	N. NE.	NE.by N.	NW.byN.	N. NW.	NW.byN.	N. NW.
	30	N. by W.	N. by W.	N. by E.	N. by E.	NE.by N.	NE.by N.	NE.by N.	NE.by N.	NW.byN.	NW.	NW.byN.	NW.byN.
	31	N. NE.	N. NE.	N. NE.	NE.	NE.	NE.by N.	NE.by N.	N. NW.	N. NW.	NW.	NW.	NW.byN.

Date. Göttingen Mean Time.		DIRECTION OF THE WIND, BY OSLER'S WIND GAUGE.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
NOVEMBER, 1846.	1	E. NE.	E. NE.	E. NE.	E. NE.	E. NE.	E. NE.	E. NE.	E. NE.	E. NE.	NE. by E.	NW.byW	W. NW.
	2	W. by N.	W. by N.	W. by N.	S. SW.	S.SW.	S. SW.	S. SW.	W. SW.	W. by S.	SW.byW.	W. by S.	W. by S.
	3	W.	W.	W.	W.	W.	N.	N. NE.	N.	NW.	NW.byN.	W. NW.	NW.byW
	4	N. NW.	N. NW.	N. NW.	N. NW.	N. NW.	N.	N. NE.	N. NE.	NW.byN.	NW.	NW.byN.	NW.byN.
	5	NW.byN.	NW.byN.	N. NW.	N. by W.	N. by E.	NE. by N.	N. NW.	NW.byN.	NW.byN.	NW.	NW.	NW.
	6	N.	N.	N.	N.	N.	N. NE.	N. NW.	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW
	7	N.	N.	N. NE.	NE.by N.	NE.by N.	NE. by N.	NE.by N.	NE. by N.	NE.by N.	N. by E.	W. NW.	W. NW.
	8	NE.by N.	NE.by E.	NE. by E.	NE.by E.	E. NE.	E. NE.	E. NE	E. NE.	E. NE.	NW.	NW.byW	NW.byN.
	9	E. by N.	E. by N.	E. by N.	E. by N.	E. by N.	E. by N.	E. by N.	E. by N.	E.	E. NE.	NW.	NW.byN.
	10	NE.by N.	NE.by E.	E. NE.	E. by N.	E. by N.	E. by N.	E. by N.	E. by N.	E. by N.	NW.byN.	NW.	NW.
	11	E. NE.	E. by N.	E.	E.	E.	E.	E. by N.	E. by N.	E. by N.	E. by N.	NE.	NW.byN.
	12	E. NE.	E. NE.	E. NE.	E. NE.	E. NE.	E. NE.	E. NE.	NE. by E.	NE.by N.	NE.by N.	NW.byN.	N. NW.
	13	NE.by E.	NE.by E.	E. NE.	E. NE.	E. NE.	E. NE.	E. NE.	NE. by E.	NE.by E.	NW.byN.	NW.	N. NW.
	14	E. by N.	E. by N.	E. by N.	E. by N.	E. by N.	E.	E. by N.	E. by N.	E. by N.	E. by N.	E. by N.	NW.byN.
	15	NE.by E.	E. NE.	E. NE.	E. NE.	E. by N.	E. by. N.	E. by N.	E. NE.	NE. by E.	NE. by N.	NE.by N.	NW.byW
	16	NE.by E.	NE.by E.	NE.by E.	E. NE.	E. NE.	E. NE.	E. NE.	E. NE.	E. NE.	E. by N.	NW.byN.	NW.
	17	E. NE.	E. NE.	E. by N.	E. by N.	E. by N.	E. by N.	E. by N.	E. by N.	E. by N.	E. by N	E. by N.	NW.byN.
	18	E. NE.	E. NE.	E. NE.	E. by N.	E. by N.	E. by N.	E. by N.	E. by N.	E. by N.	E. by N.	W. by N.	NW.by W
	19	NE.by E.	E. by S.	E. by S.	E. by S.	E.	E.	E. by S.	E. by S.	N. NE.	NW.byW	NW.	NW.byN.
	20	E. by N.	E. by N.	E. by N.	E. by N.	E. by N.	E. by N.	E. by N.	E. by N.	NE.	NW. byW	NW.	NW.
	21	NE.by E.	NE.by E.	NE. byE.	E. NE.	E. NE.	E. NE.	E. NE.	NE.	NE.	NE.by N.	N.	NW.byN.
	22	NE.	NE.	NE.	NE. by E.	E. NE.	E. NE.	NE.	NE.	NE.	NE.	N.	NW.byN.
	23	E. NE.	E. NE.	E. NE.	E. by N.	E. by N.	N. NE.	E. NE.	NE. by E.	NE. by E.	E. by N.	E. NE.	N. by W.
	24	E. by N.	E. by N.	E. by N	E. by N.	E. by N.	E.	E. by S.	E. SE.	E. SE.	E. SE.	NW.	NW.byN.
	25	E. NE.	E. NE.	E. NE.	E. NE.	NE.by E.	NE. by E.	NE.by E.	NE.	NE.	N. by. W	N. NW.	N. by W.
	26	E. NE.	E. by N.	E. by N.	E. by N.	E. by N.	E. NE.	E. NE.	NE. by E.	E. NE.	NW.byN.	N. by W.	N. by W.
	27	E. NE.	E. by N.	E. by N.	E. by N.	E. by N.	E. by N.	E. NE.	E. by N.	E. by N.	NW.byW	NW.byW	NW.
	28	NW.byW	NW.byW	NW. byW	NW.byW	NW.byW	N.	NE.	NE.	N.	NW.byW	NW.byW	NW.byN.
	29	N. NW.	N. NW.	N. NW.	N NW.	N. NE.	NE. by N.	NE.by N.	NE. by N.	NW.	W. by N.	NW.byW	NW.byW
	30	NW.byW	NW.byW	NW.	NE.	NE. by E.	NE. by E.	NE.by E.	E. NE	E. NE.	—	—	—
	31												

Date. Göttingen Mean Time.		DIRECTION OF THE WIND, BY OSLER'S WIND GAUGE.											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
DECEMBER, 1846.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	N. by E.	N. by E.	N. NE.	N. NE.	NE.by N.	NE.	NE.	NE.	NE.	NE.	NE.	NE.
	3	N. NE.	N. NE.	N. NE.	NE.by N.	NE.	NE.	NE.	NE.	NE.	NE.	NE.	NE.
	4	NW.byN.	N. NW.	N. NW.	N. by E	N. by E.	N. by E.	N. by E.	N. by E.	N. by E.	E.	E. by S.	E. by S.
	5	N. NW.	N. by W.	N.	N.	N.	N. by E.	NE. by E.	E. NE.	E. by N.	E. by N	E. by N.	E.
	6	N. by W	N.	N. by E.	N.	N. by E.	N. NE.	N. NE.	N. NE.	NE.by E.	E. NE.	E. NE.	NE.by E.
	7	N. by W.	N.	N.	N.	N.	N.	N. by E.	N. by E.	N. by E.	N. by E.	N. by E.	N.
	8	NW.byN.	NW.byN.	NW.byN.	NW. yN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.
	9	N. NW.	N. by E.	N. by E.	N. by E.	N. by E.	N. by E.	N. by E.	N. by E.	N. NE.	N. NE.	NE. by E.	NE.by E.
	10	N.	N. by E.	N. by E.	N. NE.	N. NE.	N. NE.	N. NE.	N, NE.	N. NE.	N. NE.	N. NE.	N. NE.
	11	N.	N. by E.	N.NE.	N. NE.	N. by E.	N. NE.	N. NE.	N. NE.	N. NE.	N. NE.	N. NE.	N. NE.
	12	N. by W.	N.	N. by E	N. by E.	N. by E.	N. by E.	N. NE.	N. NE	N NE.	N. NE.	N. NE.	N. NE.
	13	N.	N.	N. by E.	N. by E.	N. by E.	N. NE.	N. NE.	N. NE.	N. NE.	N. NE.	N. NE.	N. NE.
	14	N. by W.	N. by W.	N.	N.	N. by E.	N. by E.	N. NE.	N. NE.	N. NE.	N. NE.	N. NE.	N. NE.
	15	N. NW.	N. by W.	N. by W.	N. by E.	N. by E.	N. by E.	NE.	—	—	—	—	—
	16	NW.	NW.	N. NW.	N. by W.	N.	N.	N.	N.	N.	N.	NE.	NE.by E.
	17	NW.	NW.byN.	N. NW.	N.NW.	N. NW.	N .NW.	N.. by W.	N. by W.	N. by W.	N. NE.	NE. by N.	NE.by N.
	18	NW.	NW.byN.	NW.byN.	N .by W.	N. by W.	N. by W.	N. by W.	N. NW.	NE.	NE.	NE. by E.	NE.by E.
	19	SW.byW.	W. by S.	W. by N.	NW.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	N.NW.	N.NW.
	20	NW.byW	NW.byN.	N. NW.	N. NW.	N. by W.	N. by E.	N. by E.	N.	N.	N.	N.	N. by E.
	21	NW.byN.	NW.byW	NW.	NW.	NW.	N. NW.	N. NW.	N. NW.	N. NW.	N.NW.	N.NW.	N.NW.
	22	NW.byW	NW.	NW.	NW.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	N. by W.	N. by W.	NE.	NE.
	23	NW.byW	NW.byW	NW.	NW.	NW.	NW.	N.NW.	N. NW.	N.NW.	N.NW.	NE. by N.	N. NE.
	24	W.	W.NW.	NW.byW	NW.	NW.	NW.byN.	NW.byN.	N. NW.	N.NW.	N. by W.	N. by W.	N. by W.
	25	W. SW.	W. by S.	W. by S.	W.	W. by N.	W.NW.	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byN.
	26	W.	W.	W. by N.	W. NW.	NW.byW	NW.	NW.	NW.	NW.	NW.	NW.	NW.
	27	W.	W. by N.	W. by N.	W. NW.	W.NW.	W.NW.	W.NW.	W.NW.	W.NW.	W.NW.	NW.byW	NW.
	28	W. by N.	NW.byW	NW.byW	NW.byW	NW.	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	N. by W.
	29	SW.byW.	W. by S.	W. by N.	W. by N.	W.NW.	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	NW.byW	N.
	30	N. NW.	N.NW.	N. NW.	N.NW.	N. NW.	N. by W.	N. by W.	N.	N. NE.	NE. byN.	NE.by N.	NE.by N.
	31	W. NW.	NW.byW	NW.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	N. NW.	N NW.	N. by W.	N. by E.	N.

Date. Göttingen Mean Time.		FORCE OF THE WIND.											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
JANUARY, 1846.	1	*lbs* 0·26	*lbs* 0·00	*lbs* 0·26	*lbs* 0·36	*lbs* 0·16	*lbs* 0·00	*lbs* 0·00	*lbs* 0·00	*lbs* 0·36	*lbs* 0·00	*lbs* 0·00	*lbs* 0·05
	2	0·10	0·00	0·05	0·00	0·00	0·00	0·00	0·00	0·05	0·05	0·05	0·00
	3												
	4	0·26	0.26	0.31	0·88	0·05	0·00	0·00	0·00	0·05	0·05	0·00	0·00
	5	1·82	1·82	1·04	1·04	1·56	1·82	0·10	0·05	0·05	0·05	0·10	0·10
	6	2·08	0·78	2·08	0·52	0·78	0·10	0·05	0·00	0·00	0·00	0·10	0·05
	7	1·82	1·56	2·34	2·60	2·60	0·52	0·26	0·05	0·10	0·16	0·05.	0·10
	8	1·04	1·56	0·78	1·30	1·56	0·78	0 05	0·05	0.05	0·05	0·05	0·05
	9	1·04	1·04	1·82	1·82	2·08	1·82	0·56	0·05	0·05	0·00	0·00	0·00
	10												
	11	0·26	0·26	0·47	0·36	0·36	0·16	0 00	0 05	0·16	0·00	0·00	0·00
	12	0·78	1·04	1·04	0·78	0·52	0·26	0·26	0·05	0·05	0·31	0·05	0·00
	13	1·04	1·04	1·14	0 99	0·16	0·00	0·00	0·00	0·05	0·00	0·00	0·00
	14	0·05	0·05	0·05	0·00	0·00	0·05	0·00	0·52	0·78	0·00	0·05	0·00
	15	0·05	0·05	0·05	0·05	0·05	0·05	0·00	0·00	0·00	0·00	0·00	0·00
	16	0·00	0·10	0·16	0·16	0·05	0·05	0·00	0·05	0.05	0.00	0·00	0·00
	17												
	18	2 08	1·56	1·56	1·30	1·30	0·26	0·10	0·16	0·10	0·00	0·00	0·00
	19	0·78	1·04	1·04	0·99	0·78	0·16	0·10	0·00	0·00	0·00	0·00	0·00
	20	0·42	0·47	0 36	0·52	0·16	0·00	0·05	0·00	0·52	1·04	1·04	1·04
	21	0·99	1·04	1·14	0·68	0·26	0·05	0·00	0·05	0·05	0·57	0·05	0·05
	22	1·56	1·04	0·88	0·68	0·68	0·62	0·10	0·00	0·00	0·00	0·00	0·00
	23	1·04	0·62	0·21	0·52	0·52	0·52	0·00	0·00	0·10	0·00	0·00	0·00
	24												
	25	0·99	0·78	0·36	0.52	0·36	0·52	0·05	0·10	0·05	0·00	0·00	0·00
	26	1·30	1·56	0·52	0·99	1·30	0·78	0·78	0·05	0·05	0·00	0·00	0·00
	27	1.82	1·04	1·30	1·04	0·62	0·10	0·05	1·04	0·10	0·00	0·00	0·00
	28	1·04	0·78	0·52	0·99	0·88	0·78	0·21	0·05	0·00	0·00	0·00	0·00
	29	1·82	2·08	1·30	1·56	0·10	0·42	0·26	0·16	0·21	0·00	0·05	0·00
	30	0·88	0·88	0·78	0·78	0·16	0·10	0·05	0·05	0·05	0·00	0·00	0·10
	31												

Date. Göttingen Mean Time.	DIRECTION OF THE WIND, BY OSLER'S WIND GAUGE.											
	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
DECEMBER, 1846. 1	—	—	—	—	—	—	N.	N.	N.	N. by W.	N. by W.	N. by W.
2	NE by E.	NE. by E.	NE.by E.	NE.by E.	NE. by E.	NE.by E.	NE.by E.	N. by E.	N. by W.	N. by W.	N.	N.
3	NE.	NE.	E. NE.	E. by N.	E. by N.	E. by N·	E by N.	E.	N. by E.	N. by W.	N.NW.	NW.byN.
4	E. by S.	E. by S.	E. by S.	E. by S.	E. SE.	E.SE.	E.SE.	E.	E.	E. by N.	E. by N.	W.NW.
5	E.	SE. by E.	E. by S.	SE. by E.	SE.	SE.	E. by S	E. by N.	E. by N.	NE.	NE.by N	N. by W.
6	NE.	NE.	NE.by E.	E. NE.	E. NE.	E. NE.	E. NE.	NE.by E.	N.	N.NW.	N. NW.	N. by W.
7	N. by E.	NE.	E. NE.	E. by N.	E. by N.	E. by N.	E. by N.	E by N.	E. by N.	NW.byN.	NW.byN.	NW.
8	NW.byN.	NW.byN.	NE.	NE.	NE.	NE.	NE. by E.	NE.by E.	E. NE.	N. by W.	NW.byN.	N.NW.
9	NE.by E.	NE. by E.	NE. by E	NE.by E.	NE.by E.	E. NE.	E. NE·	N. by W.	W. NW.	N. by W.	N.NW.	N. by W.
10	NE.by N.	NE. by N.	NE. by N	NE.by N.	NE.by N.	NE. by E.	NE.by E.	N.	N. by W.	N.NW.	N. by W.	N. by W.
11	N.NE.	N. NE.	N.NE.	N. NE.	N.NE.	N. NE.	N. NE.	N.	N. by W.	N.NW.	N.NW.	N.NW.
12	N.NE.	N. NE.	N.NE.	N. NE.	N.NE.	N. NE.	NE.by E.	NE.by E.	N. by W.	N. by W.	N.	N.
13	N.NE.	N. NE.	N.NE.	N. NE.	NE.by N.	NE.	N.E.	N. NE.	N. by E.	N.NW.	N. NW.	N. by W.
14	N.NE.	N. NE.	N.NE.	N. NE.	N.NE.	N. NE·	N. NE·	N. by E.	N. by W·	N. NW.	N. NW.	N. NW.
15	—	—	—	E.	E.	E.	E.	E.	E. by S.	NW.	NW.byN.	NW.
16	NE.by E.	NE. by E.	NE. by E.	NE by E.	NE.byE.	NE.by N.	NE.by E.	E. NE.	E. NE.	W. by S.	W. NW.	NW.byW
17	NE.by N.	NE.by N.	NE.by N.	NE.by N.	NE.by N.	NE.by N.	NE.	NE.	W.	NW.byW	NW.byW	NW.byW
18	NE.by E.	NE. by E·	NE. by E.	NE. by E.	E.NE.	E.	E.	E.	E.	E.	S·	S. by W.
19	N.NW.	N.NW.	N.NW.	N. by W.	NE.byE.	NE.by E.	NE.by E.	N. NW.	NW.	NW.	NW.	NW.byW
20	N.	N.	N.	N.	N.	N.	N. by W.	NW.byN.	NW.byN.	NW.byN.	NW.byN.	NW.byN·
21	N.NW.	N.	N.	N.	N. by E.	N.NE.	N. NE.	N. NE.	N. by E.	N. by E.	W.NW.	W.NW.
22	NE.	NE.	NE.by N.	NE.by N.	NE.	NE.	NE.	NE.by N.	NE.by N.	W.	W by N.	W.NW.
23	NE.by N.	NE.by N.	NE.by N.	NE.	E.	NE.	NE.by N.	N. NE.	N.NE.	N. by E.	N.	W. by N.
24	N. by W.	N. by W.	NE. by N.	NE.by N.	NE.by N.	NE.by N.	NE.by N.	NE. by N·	NE.by N.	W. SW.	W. SW.	W. SW.
25	N.NW.	N. by E.	N. by E.	N. by E.	N.NE.	N.NE.	N. NE.	N. NE.	N.	W. by N.	W. by N.	W. by N.
26	N.W.	NW.	NW.byN.	NW.byN.	N. NW.	N. by W.	N. by E.	N. by E.	N. by E.	W. by N.	W.	W.
27	NW.	N. by W.	N.	N. by E	N.NE.	N.NE.	N. NE.	N. NE.	N.NE.	NE.by N.	N.NW.	W. by N.
28	N.	N.	N.	N.	N. by E.	N.	N.	N.	N. by W.	N.	W. SW.	SW.byW.
29	N. by W.	N. by W.	N. by W.	N. by W.	N.	N. by E.	N. by E.	—	NE.by N.	NE.by N.	NE.by N.	NE.
30	NE.by N.	NE.	NE.	NE.	NE.	N.E.	NE.by N.	NE.by N.	NE.by N.	N. NE.	N. by E.	N. by E
31	E.NE.	NE.by E.	NE.by E.	NE.by E.	E.NE.	E. by N.	E.	E.	E.	NW.byN.	W.NW	W.NW.

Date. Göttingen Mean Time.	FORCE OF THE WIND.											
	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
JANUARY, 1846. 1	*lbs* 0·00	*lbs* 0·00	*lbs* 0·00	*lbs* 0·00	*lbs* 0·00	*lbs* 0·05	*lbs* 0·00	*lbs* 0·00	*lbs* 0·10	*lbs* 0·10	*lbs* 0·41	*lbs* 0.52
2	0·05	0·00	0·00	0·05	0·00	0·16	0·10	0·10	0·05	0·10	0·10	0·21
3												
4	0·00	0·52	0·00	0·00	0·00	0·16	0·10	0·10	0·00	0·10	0·42	1·56
5	0·78	1·56	0·26	0·26	0 00	0·05	0·05	0·16	0·16	1·04	1·56	2·08
6	0·05	0·00	0·00	0·26	0·00	0·05	0·05	0·05	0·21	1·30	1·04	1·30
7	0·05	0 00	0·05	0·00	0·00	0·21	0·16	0·05	0·05	0·10	0·10	1·04
8	0·05	0·00	0·00	0·00	0·00	0·10	0·21	0·10	0·10	0·78	1·04	0·78
9	0·10	0·00	0·00	0·00	0·00	0·10	0·05	0·16	0·21	0·26	0 26	0·78
10												
11	0·00	0·05	0·05	0·00	0·05	0·05	0·05	0·00	0·26	0·88	1·04	1·04
12	0·00	0·00	0·00	0·00	0·05	0·16	0·00	0·10	0·10	1·04	0·26	0·36
13	0·00	0·00	0·00	0·05	0·00	0·10	0·00	0·00	0·00	0·52	0·16	0·78
14	0·36	0·16	0·00	0·05	0·05	0·00	0·16	0·16	0·05	0·00	0·00	0·00
15	0·00	0·00	0·00	0·00	0·05	0·21	0·10	0·10	0·26	0·10	0·10	0·00
16	0·00	0·00	0·00	0·00	0·05	0·10	0·05	0·05	0·00	0 26	0·26	1·04
17												
18	0·00	0·10	0·05	0·00	0·00	0·05	0·00	0·00	0·52	1·56	1·56	1·56
19	0·00	0·00	0·00	0·00	0·00	0·21	0·05	0·00	0·41	0·26	0·78	0·05
20	1·56	0·00	0·00	0·00	0·00	0·00	0·00	0·26	0·52	0·52	0·88	0·78
21	0·00	0·00	0·00	0·00	0·00	0·00	0·05	0·00	0·05	0·78	1·04	1·56
22	0.00	0·00	0·00	0·00	0·00	0·00	0·00	0·00	0·26	0·52	1·04	0·78
23	0·00	0.00	0·00	0·00	0·00	0·00	0·16	0·21	1·04	0·78	0·99	0·78
24												
25	0·00	0·00	0·00	0·10	0·16	0·16	0·21	0·10	0·00	0·00	0·00	1·30
26	0·05	0·05	0·05	0·05	0·05	0·05	0·26	0·16	0·26	0.88	0·88	1·04
27	0·00	0·00	0·05	0·05	0·05	0·05	0·05	0·05	0·94	0·26	1·04	1·30
28	1·04	0·10	0·05	0·05	0·05	0·05	0·00	0·00	0·52	1·04	1·82	2·08
29	0·26	0·10	0·16	0·10	0·05	0·05	0·21	0·05	0·10	0·78	1·04	1·04
30	0·00	0·00	0·00	0·00	0·05	0·05	0·05	0·00	0·00	0·00	0·00	0·26
31												

Date. Göttingen Mean Time.		FORCE OF THE WIND.											
		Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
FEBRUARY, 1846.	1	*lbs* 0·21	*lbs* 0·16	*lbs* 0·10	*lbs* 0·10	*lbs* 0·05	*lbs* 0·00	*lbs* 0·26	*lbs* 0·26	*lbs* 0·52	*lbs* 0·26	*lbs* 0·21	*lbs* 0·21
	2	0·10	0·10	0·05	0·00	0.00	0·00	0·00	0·00	0·00	0 00	0·00	0 10
	3	0·78	0·26	0·31	0·31	0·26	0·05	0·00	0·00	0.00	0·00	0·00	0·00
	4	1·04	0·47	0·31	0·42	0·26	0·52	0·88	0·05	0·00	0 00	0·05	0·00
	5	0·52	0·52	0·42	0·36	0·36	0·16	0.00	0·00	0·00	0·10	1·30	0·52
	6	0·62	0·52	0.99	1·04	0·78	0·00	0·00	0·00	0·26	0·00	0·10	0·62
	7												
	8	1·56	1·36	0·93	1·14	0·68	0·26	0·26	0·52	1·04	0·05	0·05	0·21
	9	2·08	0·78	0·52	0·42	0·42	1·04	0.05	0·36	0·88	0·10	0·00	0·21
	10	0·42	0·36	0·21	0·16	0·10	0·26	0·10	0·05	0·05	0·00	0·10	0·05
	11	0·78	0·21	0·21	0·16	0 00	0·10	0·00	0·00	0·99	0·05	0·62	0·16
	12	1·30	1·04	0·99	1·30	0.62	0·78	0.88	0.05	0·05	0·00	0·05	0·10
	13	1·56	0·99	0 52	0·78	0·52	1·04	0·00	0·05	0·00	0·00	0.00	0·05
	14												
	15	0·68	0·62	0·62	0·47	0·52	0·36	0·16	0 00	0·00	0·00	0·00	0·05
	16	1·30	0·78	0·42	0·26	0·10	0 00	0·00	0·26	1·04	0·78	0·78	0·78
	17	0·94	0·68	0·16	0·16	0·26	1·56	1·04	0 88	0·00	0·10	0 26	0·10
	18	1·30	0·99	1·04	1·04	0·62	0.00	0·00	0.57	1·04	0·42	0·10	0·10
	19	1·30	0·88	0·42	0·36	0.05	0·00	0.00	0·00	0·00	0·00	0·26	0·78
	20	1·56	1·56	1.30	1·04	0·68	0·42	1.14	0·52	0·26	0.10	0·05	0.10
	21												
	22	0·73	0·52	0·52	0·26	0·16	0·05	0·00	0·00	0·00	0·00	0·05	0·00
	23	1·30	1·04	0·57	0·52	0·16	0·10	0·42	0·00	0·05	0·00	0·00	0·00
	24	0·78	0·62	0·47	0·10	0·00	0·00	0·00	0·00	0·00	0·00	0·00	0·00
	25	1·04	0·88	0·36	0·21	0·05	0·36	0·26	0·00	0 00	0·00	0·00	0·10
	26	0.52	0·52	0·42	0·16	0·05	1·04	0·52	0·68	0·00	0·05	0·10	0·05
	27	0.62	0·57	0·78	0·42	0·21	0·88	0·52	0 52	0·00	0·16	0·00	0·00
	28	0·26	0·42	0·10	0·26	0·21	0·21	0.52	0.00	0·05	0 00	0·00	0·00
	29												
	30												
	31												

Date. Göttingen Mean Time.		FORCE OF THE WIND.											
		Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
MARCH, 1846.	1												
	2	*lbs* 1·56	*lbs* 1·04	*lbs* 0·78	*lbs* 1·04	*lbs* 1·30	*lbs* 0·31	*lbs* 1·04	*lbs* 0·99	*lbs* 1·04	*lbs* 1·56	*lbs* 1·04	*lbs* 1·04
	3	2·34	2·06	2·08	1·14	0·78	0·16	0·00	0·00	0·00	2·56	1·82	2·60
	4	1·82	1·04	1·04	0 78	0·42	0·16	0·00	0·00	0 00	0·00	0·00	0 00
	5	2·08	2·34	2·34	3·12	2·08	2·08	1·30	1·82	1·30	0·88	0·05	0 26
	6	1 82	1·14	1·04	0·78	0·78	0·31	0·99	0·36	1·56	1.82	1·56	2·08
	7												
	8	1·30	1·04	1·04	1·04	0·78	0·00	0·00	0·00	0·00	0·00	0·26	0·05
	9	0·05	1·04	0·78	0·42	0·16	0·00	0·88	0·62	0·42	0 00	0·16	0·10
	10	1·04	1 56	0·52	0·78	0·10	0·16	0·00	0·00	0·52	1·56	1·14	0·21
	11	1·56	1·04	1·56	1·56	1·04	1·04	1·56	0·88	0·99	0·62	0·78	0·16
	12	1·56	1·56	1·04	1·30	0·78	0·78	0·26	0·10	0·10	0 00	0·00	0·52
	13	1·04	0·78	0·78	0·52	0·42	0·16	0·36	0·78	0·78	1·56	1·56	1·04
	14												
	15	2·08	1·56	1·56	1·30	1·30	0·52	0·16	0·05	0·05	0·26	0·36	0·26
	16	1·56	1·30	1·30	0·78	0·62	0·68	1·04	1·56	0·26	0·00	0·05	1 30
	17	1·04	0·78	0·52	0·26	0·26	0·00	0·00	0·00	0·52	1·04	0·52	0·52
	18	1·04	1·04	0·78	0·78	0·42	0·05	0·05	0·05	0·26	0·16	0.36	0·00
	19	0·78	0·42	0·10	0·05	0·05	0·05	0·05	0·05	0·05	0·00	0·00	0·00
	20	0·88	0·78	0·52	0·26	0·05	0·05	0·05	0·05	0·00	0·00	0·00	0·00
	21												
	22	1·56	1·82	1·56	1·04	0·91	0·76	0·52	0·52	0·26	0·36	1.04	1.56
	23	1·56	1·30	1·30	1·30	1·30	1·04	0·05	0·05	0·00	0·26	0.52	0·00
	24	0·88	0·78	0·88	0·88	1·04	1·04	0·52	0·11	0·26	0·26	0·00	0·00
	25	0·36	0·52	0 26	0 21	0·42	0·16	0·11	0·11	0·11	0·00	0·00	0.00
	26	0·16	0·16	0·10	0·10	0·10	0·05	0·05	0·05	0·00	0·00	0·00	0·00
	27	0·78	0·52	0·42	0·26	0·42	0·05	0·05	9·05	0·11	0·05	0·05	0·00
	28												
	29	2·60	2·08	1·82	0·26	0·10	0·99	0·78	0·52	1·14	1·56	1·82	1·56
	30	0·78	1·56	1·04	1·04	0·10	0·16	0·10	0·05	0·00	0·00	0·42	0·26
	31	0·78	0·52	0·26	0·10	0 05	0·05	0·05	0·05	0·05	0·05	0·52	0·52

	Date. Göttingen Mean Time.	FORCE OF THE WIND.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
FEBRUARY, 1846.	1	lbs 0·26	lbs 0·05	lbs 0·10	lbs 0·05	lbs 0·05	lbs 0.42	lbs 0·10	lbs 0·00	lbs 0·00	lbs 0·21	lbs 0·10	lbs 0·10
	2	0·05	0·05	0.00	0·10	0·05	0·00	0·00	0·00	1·30	0·26	1·30	0·94
	3	0·00	0·05	0·00	0·00	0·05	0·16	0·16	0·16	0·78	0·78	0·73	1·04
	4	0·00	0·00	0·00	0·00	0·00	0·00	0·00	0·26	0·00	0·26	0·78	1·04
	5	0·10	0·00	0·00	0·00	0·00	0·00	0·16	0·00	0·00	0·10	0·94	0·78
	6	0·00	0·00	0·00	0·00	0·05	0·00	0·00	0·10	0·10	0·42	0·62	1·56
	7												
	8	0·21	0·47	0·42	0.26	0·05	0·16	0·26	1·04	1·56	1·56	1·82	1·82
	9	0·00	0·00	0·00	0·00	0·16	0·26	0·42	0·05	0·26	0.26	0·26	0·52
	10	0·00	0·00	0·05	0·10	0.16	0·26	0·26	0·26	0·42	0·78	0·52	0·42
	11	0·78	0·00	0·05	0·05	0·10	0·05	0·36	0·00	0·52	0·42	0·94	1·04
	12	0·10	0·21	0.10	0·10	0·10	0·16	0.10	0·00	1·04	1·04	1·30	1·30
	13	0·16	0·00	0.10	0·05	0·05	0·00	0·26	0·00	1·04	1·04	1·04	1·04
	14												
	15	0·10	0·10	0·05	0·10	0·36	0·99	0·78	0·99	0·16	0·10	0·26	0·88
	16	0·62	0·05	0·10	0·16	0·10	1·04	1·04	0·78	0·05	0·21	0·00	0·05
	17	0·21	0·26	0·00	0·05	0·05	0·36	0·00	0·00	0·00	1·56	1·56	1·30
	18	0·05	0·00	0·05	0·05	0·05	0·00	0·00	0·00	0·26	1·04	1·04	1·30
	19	0·26	0·10	0·10	0·05	0·05	0·00	0·26	1·56	2·60	3·12	1·56	1.30
	20	0·00	0·00	0·05	0·05	0·10	0·16	0·16	0·52	1·30	1·30	1·30	1.04
	21												
	22	0·05	0·00	0·00	0·05	0·05	0·00	0.00	0·78	1·04	1·04	1·56	1·14
	23	0·00	0·00	0·00	0·00	0.00	0·05	0·26	0·16	1·04	0·52	0·78	0·78
	24	0·00	0·00	0·00	0·00	0·00	0·05	0·00	0·00	0·42	0·52	0·78	1·30
	25	0·05	0·00	0·10	0·05	0.10	0·16	0·52	0·16	0·16	0·78	0·78	0·78
	26	0·00	0·00	0·05	0·05	0·05	0·16	0·10	0·10	0·05	0·16	1·04	0·78
	27	0·00	0·00	0·05	0·00	0·05	0·42	0·42	0·26	0·05	0·10	0·41	0·62
	28	0·42	0·26	0·21	0·36	0·36	0·10	0·16	0·00	0·00	0·10	0.16	1·04
	29												
	30												
	31												

	Date. Göttingen Mean Time.	FORCE OF THE WIND.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
MARCH, 1846.	1												
	2	lbs 1·04	lbs 0·52	lbs 0·78	lbs 0·16	lbs 0·05	lbs 0·05	lbs 0·00	lbs 0·10	lbs 0·16	lbs 1·04	lbs 1·56	lbs 1·56
	3	2·08	1·04	0·78	0·78	0·78	0·78	1·30	1·98	1·82	1·82	1·30	1·30
	4	0·00	0·05	0·00	0·00	0·00	0·05	0·47	0·78	0·99	1·04	1·82	1·82
	5	0·00	0·26	0·10	0·05	0·00	0·10	0·16	0·36	1·14	1·56	2·08	2·08
	6	2·08	1·14	0·16	0·05	0·05	0·47	0·16	0·21	1·04	1·56	1·56	1·56
	7												
	8	0·00	0·00	0·00	0·00	0·05	0·00	0·16	0·10	0·16	0·16	0·26	0·78
	9	0·10	0·52	0·26	0·26	0·05	0·10	0·10	0·31	0·31	1·04	1·56	1·56
	10	0·05	0·05	0·00	0·00	0·00	0·05	0·00	0·36	0·26	1·04	1·04	1·56
	11	0·05	0·26	0·26	0·00	0·00	0·00	0·26	0·52	0·62	1·04	1·04	0·88
	12	0·26	0·42	0·26	0·42	0·26	0·31	0·26	0·31	0·21	0·78	0·52	1·04
	13	0·42	0·42	0·52	0·05	0·05	0·16	0·31	0·52	0·78	0·88	1·04	0·78
	14												
	15	1·04	0·52	0·26	0·78	0·78	0.36	0·10	0·16	0·99	1·04	1·56	2·08
	16	1·56	1·04	0·05	0·05	0·00	0·52	1·04	0·99	1·14	1·56	1·56	1·04
	17	0·00	0·05	0·00	0·00	0·00	0·10	0·26	0·52	0·52	0·26	0·10	0·52
	18	0·05	0·10	0·26	0·52	0·26	0·26	0·05	0·05	0·52	0·16	0·52	1·04
	19	0·00	0·05	0·26	0·16	0·00	0·00	0·00	0·10	0·26	0·26	0·05	0·99
	20	0·00	0·00	0·05	0·05	0·42	0·05	0·10	0·78	0·78	0·78	1·04	1·56
	21												
	22	1·82	1·30	0·05	0·10	0·16	0·00	0·05	0·52	0·94	1·56	1·82	1·82
	23	0.00	0·00	0·00	0·00	0·42	0·05	0·05	0·10	0·52	1·56	1·04	0·52
	24	0·05	0·00	0·00	0·78	0·21	0·05	0·05	0·10	0·26	0·78	0·52	0·78
	25	0·00	0·00	0·10	0·05	0·78	0·42	0·26	0·42	0·52	0·78	1·04	0·16
	26	0·00	0·00	0·00	0.05	0·10	0·05	0·10	0·10	0·52	0·16	0·10	0·36
	27	0·00	0·00	0·00	0·00	0·16	0·16	0·42	0·52	0·26	1·04	1·04	1·82
	28												
	29	1·56	1·30	0·26	0·16	0·78	1·30	0·78	1·04	1·30	1·04	1·04	1·04
	30	0·52	0·00	0·00	0·05	0·10	0·42	0·47	0·47	0·62	0·05	0·26	0·10
	31	0·05	0·05	0·05	0·05	0·00	0·21	0·52	0·26	0·21	0·52	0·26	0·26

Date. Göttingen Mean Time.		FORCE OF THE WIND.											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
APRIL, 1846.	1	*lbs* 0·16	*lbs* 0·26	*lbs* 0·62	*lbs* 0·05	*lbs* 0·05	*lbs* 0·10	*lbs* 0·00	*lbs* 0.00	*lbs* 0·00	*lbs* 0·00	*lbs* 0·00	*lbs* 0·10
	2	0·26	0·78	0·78	0·21	0·10	0·05	0·05	0·05	0·05	0·26	0·00	0·00
	3	0.78	0·16	0·16	0·11	0·05	0·05	0·00	0·00	0·05	0·10	0·00	0·00
	4												
	5	1·56	1·30	1·56	1·30	1·04	0·78	1·30	1·30	0·52	0·78	0·88	0·05
	6	1·04	1·30	1·30	1·30	0·88	0·26	0·26	0·36	0·36	0·88	0·93	0·52
	7	0·52	0·88	0·88	0·78	0·52	0·52	0·52	0·47	0·36	0·10	0·78	0·00
	8	0·26	0·62	0·52	0·16	0·16	0·10	0·21	0·00	0·31	0·52	0·16	0·00
	9	0·52	1·30	0·78	0·62	0·52	0·78	0·10	0·47	0·26	0·52	0·26	0·10
	10	1·04	1·04	1·56	1·04	0·52	0·26	0·26	0·05	0·05	0·26	0·00	0·00
	11												
	12	1·56	1·56	1·56	1·30	1·30	0·99	0·47	0·78	1·14	1·04	1·56	0·42
	13	1·04	1·56	1·82	1·82	1·56	0·36	1·04	1·30	1·14	0·10	0·00	0·00
	14	1·82	1·56	1·56	1·82	1·56	1·56	1·04	0·16	0·36	0·62	0·36	0·05
	15	1·82	2·34	1·30	0·52	0·42	0·26	0·57	1·82	1·14	1·30	1·30	0·52
	16	0·26	0·78	0·52	0·52	0·52	0·16	0·10	0·21	0·26	0·78	0·52	0·05
	17	0·26	0·52	0·26	0·52	0·26	0·10	0·05	0·16	0·21	0·16	0·36	0·52
	18												
	19	1·66	1·82	1·30	0.78	1·04	1·20	1·14	0·57	0·52	1·56	1·82	1·82
	20	1·56	1·82	1·56	1·82	1·82	0·47	0·16	0·42	1·56	1·56	1·56	0·26
	21	1·04	2·08	2·60	1·82	1·56	1·30	0·31	0·52	0·26	0·78	0·00	0·05
	22	1·04	1·82	1·82	1·56	1·56	1·30	0·42	0·26	0·16	0·00	0·16	0·26
	23	0·31	0.52	0·52	0·16	0·00	0·47	0·16	0·05	0·00	0·00	0·00	0·00
	24	0·62	0·78	0·26	0·10	0·10	0·00	0·00	0·10	0·00	0·00	0·00	0·00
	25												
	26	0·42	0·78	0·10	0·42	0·78	1·30	0·57	0·05	0·05	0·05	0·00	0·10
	27	1·04	1·30	0·94	0·42	0·16	0·16	0·00	0·10	0·16	0·36	0·05	0·00
	28	0·78	2·34	2·60	1·82	1·56	0·26	0·10	0·05	0·05	0·00	1·04	0·78
	29	0·42	2·08	2·08	0·42	0·52	0·10	0·05	0·05	0·00	0·00	0·00	0·00
	30	1·04	0·94	0·78	0·52	0·52	0·16	0·16	0·05	0·00	0·00	0·00	0·00
	31												

Date. Göttingen Mean Time.		FORCE OF THE WIND.											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
MAY, 1846.	1	*lbs* 0·36	*lbs* 1·04	*lbs* 0·94	*lbs* 0·78	*lbs* 0·42	*lbs* 0·52	*lbs* 0·42	*lbs* 0·26	*lbs* 0·05	*lbs* 0·00	*lbs* 0·00	*lbs* 0·00
	2												
	3	0·52	0·52	0·52	0·26	0·52	0·26	0·21	0·00	0·00	0·00	0·00	0·00
	4	0·26	0.62	0·52	0·26	0·62	0·26	0·16	0·10	0·05	0·00	0·16	0·88
	5	0·78	0·78	0·52	1·30	1·30	0·78	0·52	0·16	0·36	1·04	1·82	1·04
	6	0·36	1·30	0·78	0·52	0·78	0·26	0·26	0·21	0·52	0·78	0·88	1·04
	7	1·30	0·52	1·30	1·30	1·30	2·08	2·08	1·82	1·56	1·04	1·04	0·26
	8	0·78	1·04	1·30	0·52	0·78	0·36	0·36	0·16	0·10	0·00	0·00	0·00
	9												
	10	0·78	1·04	1·04	1·04	0·78	0·05	0·16	0·10	0·16	0·05	0·00	0·00
	11	1·04	1·30	1·30	0·52	0·10	0·31	0·31	0·16	0·00	0·00	0·00	0·10
	12	1·04	1·04	2·08	0·78	1·04	2·34	1·82	0·31	0·00	0·00	0·00	0·00
	13	1·04	2·08	2·08	3·12	0·26	0·21	0·21	0·21	0·36	0·05	0·78	0·00
	14	1·56	1·56	1·82	0·78	0·52	0·21	0·57	0·88	0·10	0·05	0·78	1·82
	15	1·30	0·78	0·05	0·16	0·00	0·00	0·21	0·10	0·05	0·00	0·00	0·00
	16												
	17	0·78	0·78	0·26	0·42	0·62	1·04	0·26	0·10	0·05	0·26	0·16	0·16
	18	0·16	0·52	0·26	0·52	0·10	0·00	0·05	0·36	0·16	0·26	0·26	0·26
	19	0·16	0·26	0·05	0·16	0·26	0·42	0·26	0·10	0·47	1·04	0·88	0·00
	20	0.78	0·42	0·52	0·52	0·26	0·21	0·16	0·10	0·05	0·00	0·00	0·00
	21	0·78	0·78	0·26	0·52	0·26	0·21	0·16	0·05	0·00	0·00	0·00	0·00
	22	0·78	0·78	0·78	0·26	0·52	0·21	0·10	0·16	0·00	0·00	0·00	0·00
	23												
	24	0·26	0·52	0·62	0·26	0·26	0·16	0·10	0·05	0·05	0·00	0·00	0·00
	25	0·26	0·78	0·78	0·42	0·78	0·47	0·26	0·05	0·16	0·36	0·26	0·52
	26	0·26	0·78	0·26	0·26	0·42	0·26	0·73	0·78	0·21	0·88	1·04	1·04
	27	0·16	0·42	0·26	1·04	1·04	0·26	0·99	1·04	0·57	1·04	1·56	0·78
	28	0·26	0·26	0·26	0·26	0·10	0·05	0·16	0·26	0·16	0·52	0·78	0·78
	29	0·16	0·26	0·16	0·00	0·05	0·10	0·00	0·00	0·00	0·10	0·00	0·00
	30	0·10	0·52	0·52	0·52	0·26	0·05	0·10	0·05	0·00	0·00	0·00	0·00
	31												

Date. Göttingen Mean Time.		FORCE OF THE WIND.											
		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
APRIL, 1846.	1	*lbs* 0·00	*lbs* 0·00	*lbs* 0·00	*lbs* 0·00	*lbs* 0·00	*lbs* 0·00	*lbs* 0·47	*lbs* 0·31	*lbs* 0·62	*lbs* 0·78	*lbs* 0·52	*lbs* 0·52
	2	0·00	0·00	0·00	0·00	0·42	0·52	0·26	0·21	0·16	0·05	0·00	0·78
	3	0·00	0·00	0·00	0·00	0·05	0·05	0·05	0·10	0·42	0·52	0·78	0·88
	4												
	5	0·00	0·16	0·10	0·05	0·26	0·21	0·31	0·26	0·52	0·78	1·04	1·04
	6	0 00	0·10	0·05	0·16	0·21	0·10	0·05	0·52	1·04	1·04	0·78	1·04
	7	0·16	0·05	0·00	0·26	0·16	0·05	0·16	0·16	0·26	0·26	0·52	0·31
	8	0·00	0 00	0·10	0·21	0·00	0·10	0·47	0·68	0·68	0·36	0·16	0·16
	9	0·05	0·00	0·05	0·10	0·21	0·16	0·16	0·36	0·47	0·36	0·52	1·04
	10	0·00	0·00	0·10	0·26	0·16	0·42	0·52	1·04	0·99	0·78	1·30	1·04
	11												
	12	0·16	0·16	0·05	0 00	0·16	0·52	0·68	1·14	2·08	2·08	2·08	2·08
	13	0·00	0·00	0·00	0 00	0·00	0·31	0·26	0·68	1·04	1·04	1·04	1·82
	14	0·21	0·05	0·05	0·10	0·78	0·78	1·04	1·30	1·56	1·04	0·88	1·30
	15	0·00	0·00	0 00	0·88	0·78	0·16	0·16	0·42	0·57	0·10	0·78	0·62
	16	0·00	0·16	0·00	0·05	0·00	0·10	0·16	0·16	0·21	0·26	0·05	0·52
	17	0·00	0·00	0·05	0·05	0·26	0·36	0·26	0·47	1·20	1·56	1·56	1·82
	18												
	19	2·08	0·78	0·21	0·26	0·16	0·16	0·00	0·21	1·04	1·56	1·82	2·08
	20	0·05	0·05	0·78	0·52	0·62	0·21	0·16	0·16	1·82	1·56	1·30	2·08
	21	0·00	0·52	0·62	0·78	0·52	0·10	0·21	1·04	1·04	1·30	1·04	1·56
	22	0·00	0·00	0·26	0·21	0·52	0·10	0·42	0·88	0·78	0·05	0·26	0·26
	23	0·00	0·00	0·00	0·26	0·16	0·05	0·05	0·52	0·62	0·47	0·36	0·78
	24	0·05	0·00	0·00	0·00	0 00	0·16	0·57	0·68	0·99	0·62	1·04	1·30
	25												
	26	0·26	0·52	0·00	0·26	0·05	0·05	0·31	0 52	0·42	1·30	1·04	0·78
	27	0·00	0·00	0·00	0·10	0·10	0·10	0·21	0·47	0·68	0·83	2·08	2·08
	28	0·05	0·05	0·10	0·10	0·52	0·47	0·52	0·73	0·78	1·56	1·04	0·52
	29	0·00	0·00	0·00	0·10	0·05	0·05	0·10	0·21	0·31	0·42	0·26	0·26
	30	0·00	0·05	0·00	0·00	0·05	0·10	0·05	0·16	0·31	0·78	0·36	0·26
	31												

Date. Göttingen Mean Time.		FORCE OF THE WIND.											
		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}
MAY, 1846.	1	*lbs* 0·00	*lbs* 0·21	*lbs* 0·10	*lbs* 0·05	*lbs* 0·26	*lbs* 0·21	*lbs* 0·26	*lbs* 0·10	*lbs* 0·31	*lbs* 0·57	*lbs* 0·26	*lbs* 0·16
	2												
	3	0·00	0·26	0·05	0·05	0·00	0·05	0·21	0·26	0·36	0·26	0·36	0·10
	4	1·04	0·26	0·26	0·26	0·10	0·10	0·16	0·26	0·52	0·26	0·88	0·52
	5	1·82	1·04	0·78	0·21	0·16	0·16	0·16	0·26	0·47	0·21	1·30	1·04
	6	1·30	0·00	0·26	0·26	0·10	0·16	0·16	0·62	0·62	1·04	1·04	0·88
	7	0·00	0·00	0·10	0·16	0·10	0·05	0·00	0·16	0·31	0·26	1·30	1·04
	8	0·00	0·00	0·00	0·10	0·62	0·16	0·05	0·16	0·10	0·16	0·26	0·26
	9												
	10	0·00	0·00	0·00	0·10	0·42	0·00	0·16	0·36	1·04	0·78	0·78	1·56
	11	0·21	0·10	0·10	0·21	0·10	0·05	0·10	0·26	0·47	0·78	1·56	1·04
	12	0·00	0·78	0·26	0·26	0·78	0·16	0·31	0·78	0·62	0·62	0·52	0·52
	13	0·00	0·10	0·26	1·04	0·78	0·52	0·05	0·00	0·52	0·52	0·62	0·78
	14	0·00	0·00	0·00	0·16	0·10	0·05	0·00	0·10	0·16	0·52	0·10	0·16
	15	0·00	0·00	0·05	0·00	0·16	0·10	0·21	0·10	0·36	0·05	0·16	0·88
	16												
	17	0·26	0·21	0·10	0·05	0·62	0·05	0·16	0·42	0·47	1·04	0·88	0·52
	18	0·05	0·26	0·26	0·26	0·52	0·10	0·21	0·36	0·52	0·26	0·36	1·04
	19	0·52	0·26	0·26	0·16	0·10	0·10	0·26	0·57	0·52	0·52	0·78	1·04
	20	0·00	0·42	0·00	0·78	0·26	0·05	0·16	0·21	0·26	0·78	1·04	0·88
	21	0·00	0·26	0·05	0·16	0·26	0·00	0·00	0·36	0·78	0·88	0·78	0·52
	22	0·00	0·00	0·00	0·10	0·05	0·10	0·10	0·16	0·21	0·88	0·26	0·26
	23												
	24	0·00	0·00	0 00	0·00	0·10	0·05	0·10	0·21	0·16	0·16	0·26	0·36
	25	0·52	0·10	0·05	0·26	0·52	0·26	0·42	0·42	0·26	0·26	0·78	0·42
	26	1·04	0·52	0·21	0·52	0·26	0·36	0·31	0·26	0·26	0·16	0·52	0·78
	27	0·88	1·30	0·26	0·26	0·52	0·52	0·68	0·78	0·52	0·78	0·26	0·16
	28	0·26	0·52	0·26	0·26	0·26	0·36	0·21	0·16	0·10	0·78	0·42	0·88
	29	0·05	0·10	0·21	0·52	0·52	0·16	0·36	0·26	0·16	0·26	0·26	0·42
	30	0·00	0·00	0·00	0·26	0·42	0·10	0·16	0·05	0·16	0·16	0·10	0·26
	31												

Date.	Göttingen Mean Time.	FORCE OF THE WIND.											
		Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
JUNE, 1846.	1	*lbs* 0·52	*lbs* 0·52	*lbs* 0·52	*lbs* 0·26	*lbs* 0·62	*lbs* 0·05	*lbs* 0·05	*lbs* 0·05	*lbs* 0·10	*lbs* 0·88	*lbs* 0·16	*lbs* 0·00
	2	0·26	1·04	0·26	0·26	0·26	0·31	0·26	0·47	0·42	1·04	1·04	0·10
	3	0·26	0·26	0·26	0·26	0·16	0.16	0·00	0·10	0·78	0·93	1·04	0·88
	4	0·93	0·26	0·26	1·30	1·04	1·04	0·68	1·04	0·47	0·36	0·26	0·05
	5	1·30	1·04	1·56	1·04	0·26	0·26	0·26	0·52	0·16	0·16	0·00	0·05
	6												
	7	0·78	0·78	0·26	0·26	0·16	0·05	0·05	0·05	0·05	0·26	0·05	0·05
	8	0·10	0·16	0·10	0·10	0·10	0·26	0·47	0·52	0·47	0·26	0·10	0·10
	9	0·00	0·00	0·10	0·00	0·78	0·36	0·10	0·05	0·26	0·05	0·52	0·78
	10	0·05	0·10	0·52	0·78	1·04	0·73	0·10	0·52	0·52	0·52	1·04	1·56
	11	0·10	1·30	1·56	2·08	2·08	1·82	1·30	1·82	1·82	2·08	2·08	2·08
	12	2·60	1·82	3·12	2·60	0·62	1·30	1·14	0·99	0·78	1·30	2·08	1·04
	13												
	14	0·05	0·10	0·26	0·10	0·05	0·26	0·78	0·78	1·04	1·30	1·04	1·56
	15	1·04	0·52	0·78	0·78	0·78	0·52	0·36	0·26	0·99	1·04	1·04	1·04
	16	0·78	0·42	0·78	0·78	0·78	0·52	0·99	1·04	0·78	1·04	0·78	0·42
	17	0·16	0·42	0·52	0·16	0·26	0·36	0·42	1·30	0·47	0·00	0·00	0·52
	18	0·62	0·78	0·73	1·04	0·42	0·16	0·52	0·52	0·31	1·56	1·30	1·56
	19	0·05	0·26	0·26	0·26	0·10	0·36	0·26	0·36	0·16	0·26	1·30	1·56
	20												
	21	0·52	0·52	0·26	0·78	1·56	0·26	0·21	0·26	0·78	0·88	0·78	0·78
	22	0·78	0·52	0·26	0·05	0·42	0·26	0·52	0·16	0·57	1·04	0·78	0·16
	23	1·04	1·30	0·26	0·26	0·10	0·99	0·99	0·47	0·78	1·56	0·99	0·52
	24	0·10	0·10	0·10	0·05	0·26	0·26	0·16	0·16	0·26	0·78	0·52	0·00
	25	0·52	0·78	0·05	0·26	0·05	0·00	0·99	0·26	0·36	0·42	1·04	1·04
	26	0·26	0·52	0·26	0·78	0·52	0·16	0·26	0·57	0·68	1·56	1·04	0·52
	27												
	28	0·10	0·05	0·78	0·26	0·26	0·31	0·78	0·73	1·14	1·04	0·88	0·52
	29	1·04	0·78	1·04	0·94	0·10	0·05	0·00	0·26	0·99	0·62	0·78	0·78
	30	0·26	0·26	0·42	0·52	0·52	0·62	0·73	0·52	0·73	2·08	0·57	1·56
	31												

Date.	Göttingen Mean Time.	FORCE OF THE WIND.											
		Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
JULY, 1846.	1	*lbs* 0·52	*lbs* 0·52	*lbs* 1·30	*lbs* 0·26	*lbs* 0·47	*lbs* 0·47	*lbs* 0·26	*lbs* 0·99	*lbs* 0·36	*lbs* 0·78	*lbs* 0·52	*lbs* 0·99
	2	2·08	1·04	1·56	1·04	2·08	0·99	0·52	0·36	0·26	0·52	0·88	1·56
	3	0·88	0·52	0·78	1·56	1·04	1·30	0·47	0·21	0·52	1·04	1·82	0·78
	4												
	5	0·52	0·10	0·26	0·26	0·05	0·16	0·10	0·21	0·52	0·36	0·52	0·05
	6	0·26	0·42	0·52	0·52	0·26	0·26	0·42	0·78	0·78	0·78	0·88	0·52
	7	0.16	0·26	0·42	0·78	0·52	0·52	0·47	0·36	0·21	0·36	0·42	1·04
	8	0·52	0·42	0·10	0·05	0·05	0·21	0·00	0·16	0·05	0·00	0·26	0·10
	9	0·05	0·10	0·05	0·00	0·00	0·00	0·00	0·00	0·00	0·00	0·00	0·00
	10	0·10	0·16	0·05	0·05	0·00	0·00	0·00	0·00	0·16	0·36	0·52	0·10
	11												
	12	0·42	0·78	0·42	0·42	0·26	0·42	0·26	0·26	0·36	0·78	0·05	0·10
	13	1·04	0·78	0·16	0·05	0·00	0·00	0·00	0·16	0·36	0·05	0·05	0·99
	14	0·00	0·26	0·10	0·00	0·00	0·00	0·00	0·05	0·10	0·05	0·88	0·05
	15	0·52	0·42	0·21	0·26	0·42	0·00	0·16	0·31	0·05	0·05	0·88	0·16
	16	1·56	0·78	0·26	2·60	1·04	0·42	0·36	0·42	0·31	0·78	0·99	0·52
	17	0·26	1·30	1·30	0·78	0·88	0·78	1·30	0·99	0·05	1·04	0·52	0·88
	18												
	19	1·04	0·78	1·04	0·78	0·99	0·52	0·52	1·04	1·56	0·78	1·56	1·56
	20	0·94	0·94	1·04	1·56	0.94	1·14	1·04	1·56	0·73	2·08	0·52	0·88
	21	0·52	1·04	1·30	0·52	0·42	0·31	1·14	0·26	0·42	0·52	0·36	0·52
	22	0·16	0·26	0·52	0·26	0·26	0·26	0·05	0·47	0·42	0·78	0·52	0·00
	23	0·78	0·78	0·10	0·10	0·26	0·47	0·36	0·47	0·52	0·42	0·00	0·26
	24	0·78	1·30	1·56	0·78	0·42	1·30	0·99	0·88	0·31	1·30	0·10	0·36
	25												
	26	1·56	1·30	1·56	2·34	1·04	1·04	0·52	1·30	1·14	1·56	1·56	1·04
	27	0·52	1·04	1·04	1·30	0·94	0·62	0·99	1·04	1·56	1·04	1·30	2·08
	28	1·30	1·30	1·04	1·04	1·04	0·83	0·57	0·57	0·62	1·04	1·56	1·82
	29	0·78	3·12	0·78	1·04	1·30	1·30	1·66	1·14	1·56	1·56	1·56	1·82
	30	0·78	0·78	1·04	0·78	0·52	0·52	0·63	0·63	0·99	0·52	0·88	0·78
	13	0·52	0·52	0·78	1·04	0·78	1·04	0·83	0·36	0·83	1·56	0·42	0·52

Date.	Göttingen Mean Time.	FORCE OF THE WIND.											
		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
JUNE, 1846.	1	*lbs* 1·04	*lbs* 0·00	*lbs* 0·00	*lbs* 0·05	*lbs* 0 00	*lbs* 0·00	*lbs* 0·05	*lbs* 0·36	*lbs* 0·26	*lbs* 0·52	*lbs* 0·42	*lbs* 0·57
	2	0·16	0·78	0·26	0.78	0·78	0·52	0·52	0·57	0·42	0·26	0·52	0·52
	3	0·36	0·16	0·10	0·52	0.26	0·26	0.16	0 21	0·31	0·52	0·52	1.04
	4	0·05	0 05	0·10	0·26	0·26	0·26	0·16	0·10	0·16	0·36	0·52	0.78
	5	0·00	0·00	0·26	0·26	0·10	0 31	0·26	0·16	0·42	0·52	0·52	0·26
	6												
	7	0·52	0·26	0 26	0·10	0·26	0·36	0·42	0·36	0·21	0·21	0·16	0·26
	8	0·00	0·00	0·00	0·26	0·52	0·42	0 26	0·31	0·47	0·52	0·52	0·10
	9	0·52	0·52	0·52	0·52	0·26	0·36	0·31	0·36	0·42	0 16	0·26	0·52
	10	1·56	1·30	0·52	1·30	1·30	1·04	1·30	1·36	1·56	1·30	1·56	0·00
	11	2·08	3·12	3 12	3·64	3·64	2·08	1·04	1·56	1·56	0·78	1·30	2·60
	12	0·78	0·78	0·73	1·56	1·04	0·99	0 26	0·05	0·16	0·00	0·21	0·36
	13												
	14	1·04	0·52	0·52	0·78	0.78	0·78	0·99	0·68	0 68	0·42	0·16	0·26
	15	1·04	0·52	0 52	0·52	0·78	1·14	0·99	1·30	0·68	0·78	0·16	0·05
	16	0·88	0·52	0.26	0·26	0 26	0·05	0.10	0·26	0 05	0 05	1·30	1·30
	17	0·78	0·78	1·04	0·26	0·00	0·00	0·31	0·78	0·73	1·04	0·88	0·62
	18	1 56	0.78	1·04	0·78	1·04	1·04	0·78	0·31	0·68	1·30	0·05	0·00
	19	0·78	0·26	0·16	0·21	0.26	0·26	0·26	0·42	0·47	0·78	0·88	0·78
	20												
	21	0·52	0·52	0·52	0·26	0·26	0 47	0·47	0·52	0·52	0·99	0·62	0·26
	22	0·88	0·10	0·42	0·78	0·10	0·42	0·31	0·31	0·57	0·62	0 52	0·52
	23	0·05	0·73	0·26	0·26	0·26	0·68	0·26	0·36	0·21	0·00	0·05	0·42
	24	1·04	0·26	0·26	0·21	0·21	1·04	0·31	0·52	0·42	0·52	0·26	0·78
	25	0.52	0·05	0·21	0·05	0·05	0·10	0·16	0·00	0·42	1·04	0·00	1·56
	26	2·08	0·78	0·94	1·04	2·08	1·30	1·82	0·78	0·78	0·52	0·21	0·99
	27												
	28	0·42	0·52	0·52	0·26	0·42	0·36	0·26	0·42	0·78	1·82	0·52	0·52
	29	0·42	0·78	0·26	0·26	0·42	0·52	0·21	0·52	0·52	0·78	0·26	0·52
	30	1·04	1·04	1·04	0·26	0·26	1·30	0·73	0·68	0·73	1·56	1·04	1·56
	31												

Date	Göttingen Mean Time	FORCE OF THE WIND.											
		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
JULY, 1846.	1	*lbs* 1·56	*lbs* 1·04	*lbs* 1·04	*lbs* 1·30	*lbs* 1·04	*lbs* 1·04	*lbs* 0·78	*lbs* 0·52	*lbs* 0·78	*lbs* 0·36	*lbs* 0·52	*lbs* 0·78
	2	1·56	2·05	1·90	1·56	1·56	0 78	0·26	0·52	0·47	0·26	1·56	1·56
	3	0·62	0·62	1·30	0·62	0·52	0·32	0·31	0·26	0·10	0·78	0·52	0·78
	4												
	5	0·52	0·10	0·10	0·10	0.10	0·26	0·26	0·21	0·52	0.16	1·04	0·78
	6	0·78	0·42	0·42	0·26	0·52	0.26	0·47	0·36	0·52	0·26	0·26	0·52
	7	1·04	0·62	0·78	0·78	0·52	0·42	0·26	0·16	0·16	0·10	0·26	0·36
	8	0 36	0·10	0·10	0·00	0·05	0·10	0·10	0·05	0·10	0·26	0·05	0·05
	9	0·00	0·26	0·10	0·52	0·21	0·21	0·26	0·21	0·16	0.00	0·36	0·05
	10	0·05	0·00	0·10	0.00	0·00	0·16	0·26	0·26	0·21	0·21	0 05	0·05
	11												
	12	0·05	0·10	0 26	0·05	0·00	0·26	0·47	0·10	0·26	0·78	1·30	1·56
	13	0·21	0·05	0·05	0·10	0·05	0·00	0·00	0·05	0·10	0·05	0·00	0·00
	14	0·05	0·10	0·26	0·00	0 05	0·05	0·16	0·05	0·00	0·00	0·26	0·52
	15	0·52	0·52	0.78	0·88	0·62	0·52	0·21	0.47	0.31	0 42	[illegible]	1·04
	16	0·16	0·26	0 78	0·62	0·52	0·78	0·26	0·52	0 99	0·42	2·08	2·08
	17	1·30	2·08	1·30	1·30	1·56	1·56	0·21	0·52	1·30	0·52	1·56	0·78
	18												
	19	1·56	0·78	0·78	1·30	1·04	1·56	1·30	0·68	0·78	0·62	0·52	0·26
	20	1·04	0·94	0·78	0·62	0·52	0·99	0·73	0·52	0·52	0·26	0·88	2·08
	21	0·78	1·04	1·04	1·56	1·04	0 57	0.57	0·99	0·62	0·78	0·26	0·26
	22	0·52	0·26	0·26	0·10	0·41	0·52	0.26	0·26	0·42	0·52	0·26	0·52
	23	0·52	0.52	0·52	1·56	1·30	0·47	0·21	0·36	0·26	0 10	1·04	0·52
	24	0 26	0.42	0·52	1·30	1·82	1·82	1·98	0·68	0·42	0·78	0·78	0·16
	25												
	26	0·52	1·56	0.62	0·78	1·04	0·62	1·04	0·99	0·73	0·36	1·56	2·08
	27	1·56	1.30	1.04	0·94	1·04	0·83	0·78	0·57	1·04	0·36	0·26	0·26
	28	1·82	1·56	1·04	1·82	2·08	0.99	1·30	1·82	0·52	0 52	1·04	1·46
	29	2·08	0.78	1·04	1·04	0·52	0·78	1·56	1·82	0·83	0·52	0·26	0·78
	30	1·04	0·78	1·04	0·62	0·52	1·14	0·73	1·56	1·56	1·56	0·78	1·30
	31	1·04	0·78	0·78	0·78	0·78	0·78	0·52	0·36	0·99	0·62	0·52	0·78

Date. Göttingen Mean Time.		FORCE OF THE WIND.											
		Noon.	1ʰ	2ʰ	3ʰ	4ʰ	5ʰ	6ʰ	7ʰ	8ʰ	9ʰ	10ʰ	11ʰ
AUGUST, 1846.	1												
	2	*lbs* 1·04	*lbs* 0·52	*lbs* 0·52	*lbs* 0·52	*lbs* 0·52	*lbs* 0·16	*lbs* 0·26	*lbs* 0·26	*lbs* 0·21	*lbs* 0·26	*lbs* 0·16	*lbs* 0·26
	3	0·26	1·30	0·26	0·10	0·26	0·21	0·31	0·26	0·31	0·26	0·36	0·26
	4	0·52	0·26	0·52	0·26	0·42	0·42	0·47	0·52	0·73	0·78	0·52	0·42
	5	0·10	0·52	0·52	0·52	0·52	0·52	0·36	0·26	0·68	0·36	0·52	0·78
	6	0·26	0·52	0·26	0·52	0·26	0·42	0·16	0·52	0·47	0·16	0·26	0·11
	7	0·10	0·26	0·78	0·52	0·36	0·78	0·78	0·52	1·30	0·36	0·52	2·08
	8												
	9	0·26	0·78	0·94	1·04	0·78	0·16	0·78	0·16	0·42	0·94	0·42	0·10
	10	0·26	0·78	0·78	0·78	0·78	0·16	0·57	0·73	0·52	0·52	0·88	0·52
	11	0·52	0·52	0·62	0·52	0·42	0·36	0·16	0·42	0·57	0·52	0·52	0·42
	12	0·26	1·04	0·94	0·94	0·78	0·10	0·52	0·78	1·56	1·04	1·04	0·36
	13	0·26	0·94	1·04	0·52	1·04	0·47	0·99	1·30	0·99	0·52	0·26	0·52
	14	0·42	1·30	1·04	1·04	0·42	0·26	0·31	0·36	0·73	0·78	0·78	0·52
	15												
	16	0·62	0·52	1·04	0·52	0·78	0·16	0·10	0·16	0·21	0·00	0·52	0·26
	17	0·26	1·04	1·04	0·78	0·78	0·78	0·26	0·21	0·21	0·36	0·78	1·04
	18	0·78	0·78	0·78	0·78	0·94	1·04	0·99	0·52	0·99	1·04	0·78	1·56
	19	0·26	1·04	0·78	1·30	0·78	0·57	0·73	0·16	1·04	1·56	0·52	1·56
	20	0·26	0·42	0·52	1·04	0·78	0·73	0·52	1·04	0·99	1·04	0·00	0·05
	21	0·16	0·94	1·04	0.78	0·78	0·26	0·73	0·93	0·78	1·04	0·52	0·78
	22												
	23	0·26	0·78	0·78	0·05	0·26	0·16	0·16	0·16	0·16	0·05	0·10	0·10
	24	0·16	0·16	0·62	0·16	0·26	0·10	0·10	0·10	0·05	0·10	0·52	0·52
	25	0·05	0·26	0·10	0·00	0·05	0·10	0·05	0·10	0·10	0·42	0·36	0·52
	26	0·16	0·26	0·10	0·00	0·16	0·05	0·00	0·05	0·05	0·57	0·52	0·42
	27	0·05	0·78	0·78	0·42	0·52	0·36	0·26	0.36	0·47	0·05	0·52	0·52
	28	0·26	0·26	0·05	0·00	0·10	0·16	0·05	0·26	0·21	0·52	1·82	0·00
	29	0·16	0·52	0·52	0·26	0·52	0·10	0·00	0·31	0·31	0·00	0·42	0·52
	30												
	31	0·78	0·26	0·16	0·10	0·10	0.00	0·26	0.10	0·57	0·78	0·16	0·16

Date. Göttingen Mean Time.		FORCE OF THE WIND.											
		Noon.	1ʰ	2ʰ	3ʰ	4ʰ	5ʰ	6ʰ	7ʰ	8ʰ	9ʰ	10ʰ	11ʰ
SEPTEMBER, 1846.	1	*lbs* 0·26	*lbs* 0·52	*lbs* 0·52	*lbs* 0·52	*lbs* 0·78	*lbs* 1·04	*lbs* 0·10	*lbs* 0·10	*lbs* 0·99	*lbs* 1·04	*lbs* 1·04	*lbs* 1·04
	2	0·52	0·78	0·52	0·52	0·52	0·52	0·47	0·31	0·57	0·78	0·52	0·78
	3	0·16	0·42	0·21	0·26	0·52	0·47	0·47	0·10	0·16	0·52	0·52	0·88
	4	0·05	0·52	0·42	0·52	0·10	0·16	0·26	0·31	0·26	0·42	0·42	0·42
	5												
	6	0·26	0·52	1·04	1·04	0·42	0·10	0·21	0·21	0·10	0·52	0·16	0·26
	7	0·26	0·42	0·26	0·42	0·26	0·16	0·21	0·31	0·73	0·42	0·52	0·57
	8	0·26	1·04	1·04	0·52	0·78	0·78	0·26	0·26	0·26	0·78	1·04	1·04
	9	0·26	1·04	1·04	0·52	0·78	0·10	0·05	0·52	0·78	0·26	0·52	0·52
	10	0·10	0·52	1·30	1·04	0·26	0·21	0·99	0·00	0·00	0.52	0·88	1·56
	11	0·36	1·56	1·30	1·04	0·52	0·52	0·16	0·36	0·47	0·78	0·52	0·52
	12												
	13	0·78	0·78	0·52	0·62	0·62	0·99	0·42	0·42	0·73	0·52	0·78	1·04
	14	0·26	1·04	0·78	0·98	0·78	0·21	0·21	0·47	0·21	0·78	0·78	1·04
	15	0·16	0·10	0.52	0·26	0·21	0·21	0·00	0·10	0·16	0·88	0·05	1·04
	16	0·26	0·42	0·52	0·42	0·42	0·36	0·26	0·05	0·26	1·56	1·56	1·82
	17	0·42	1·04	0·52	0·52	0·78	0·05	0·52	0·05	0·05	1·04	1·04	0·78
	18	0·26	0·78	0·52	1·04	1·56	0·52	0·05	0·26	0·05	1·30	2·60	0·05
	19												
	20	1·04	2·08	0.42	0·26	0·42	0·42	0·26	0·26	0·26	0·05	0·00	0·10
	21	0·52	1·30	0·26	0·00	0·00	0·00	0·00	0·00	0·00	1·04	0·05	0·52
	22	0·26	0·26	0·26	0·05	0·10	0·00	0·00	0·00	0·00	0·00	0·00	0·00
	23	0·42	1·04	0·26	0·16	0·10	0·00	0·00	0·05	0·00	0·16	0·00	0·00
	24	0·16	0·05	0.05	0·00	0·05	0·00	0·05	0·00	0·00	0·00	0·00	0·00
	25	0·05	0·16	0·00	0·21	0·26	0·00	0·00	0·00	0·00	0·00	0·10	0·78
	26												
	27	0·26	0·26	0·10	0·00	0·00	0·00	0·00	0·00	0·00	0·00	0·36	0·05
	28	1·04	1·56	1·30	1·30	0·42	0·05	0·10	0·26	0·00	0·00	0·00	0·00
	29	0·78	1·56	2·60	1·82	1·82	0·36	0·16	0·05	0·00	0·00	0·00	0·00
	30	1·30	1·30	1·04	0·78	0·78	0·16	0·10	0·16	0·16	0·26	0·05	0·00
	31												

Date. Göttingen Mean Time.		FORCE OF THE WIND.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
AUGUST, 1846.	1												
	2	*lbs* 0·26	*lbs* 0·62	*lbs* 0·26	*lbs* 0·26	*lbs* 0·26	*lbs* 0·26	*lbs* 0·21	*lbs* 0·26	*lbs* 0·26	*lbs* 0·26	*lbs* 0·26	*lbs* 0·26
	3	0·42	0·52	0·52	0·78	0·42	0·16	0·31	0·10	0·26	0·26	0·26	0·26
	4	0·52	0·52	0·52	0·26	0·52	0·42	0·52	0·26	0·16	0·21	0·26	0·52
	5	0·52	0.52	0·52	0·52	0·52	0·47	0·16	0·21	0·21	0·52	0·99	0·52
	6	0·11	0·26	0·10	0·26	0·10	0·42	0·26	0·42	0·42	0·26	0·26	0·42
	7	1·04	1·04	0·88	1·04	0·52	0·42	0·78	0·52	0·47	0·78	0·78	2·60
	8												
	9	0·26	0·26	0·26	0·94	0·10	0·73	0·57	0·26	0·26	0·26	0·94	0·94
	10	0·88	0·62	0·52	0·52	0·26	0·26	0·36	0·36	0·21	0·10	1·04	0·26
	11	0·36	0·94	0·52	0·78	1·30	0·31	0·52	0·99	0·78	0·36	0·52	0·16
	12	0·26	0·78	0·78	1·04	0·73	0·68	0·73	0·16	0·31	0·78	0·26	0·10
	13	0·52	1·04	1·04	1·04	1·04	0·47	0·21	0·26	0·21	0·26	0·42	0·26
	14	3·64	1·30	1·56	0·78	0·52	1·82	1·30	0·36	4·16	1·30	0·78	0·52
	15												
	16	0·26	0·26	0·26	0·26	0·26	0·31	0·21	0·47	0·21	0·62	0·42	0·10
	17	0·05	0·52	0·52	0·78	0·52	0·73	0·78	0·16	0·47	0·78	0·52	0·52
	18	0·36	1·04	1·04	1·04	1·04	0·99	0·62	0·42	0·52	0·78	0·10	0·16
	19	0·10	0·52	0·52	0·42	1·04	0·52	0·57	0·31	0·42	0·26	0·52	0·26
	20	1·56	0·78	1·56	0·26	0·42	0·99	0·78	0·42	0·21	0·05	0·52	0·26
	21	1·56	1·04	1·04	1·56	0·52	0·47	0·16	0·42	0·52	0·36	0·78	0·26
	22												
	23	0·42	0·26	0·26	0·10	0·26	0·21	0·16	0·10	0·21	0·52	0·26	0·26
	24	0·05	0·00	0·26	0·26	0·78	0·26	0·26	0·16	0·16	0·16	0·78	0·16
	25	0·10	0·26	0·26	0·42	0·26	0·26	0·26	0·26	0·10	0·26	0·10	0·26
	26	0·52	0·05	0·52	1·04	0·78	0·26	0·26	0·52	0·78	0·52	0·05	0·05
	27	1·04	0·52	0·42	0·78	0·52	0.52	0·26	0·26	0·21	0·52	0·78	0·26
	28	0·00	1·04	1·04	0·52	0·78	0·42	0·26	0·42	0·52	0·26	0·26	0·21
	29	0·26	0·16	0·16	0·26	0·42	0·16	0·31	0·26	1·04	0·26	1·56	0·05
	30												
	31	0·99	0·78	0·78	0·52	0·78	0·73	0·36	0·99	0·42	0·10	0·16	0·16

Date. Göttingen Mean Time.		FORCE OF THE WIND.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
SEPTEMBER, 1846	1	*lbs* 0·88	*lbs* 0·78	*lbs* 0·78	*lbs* 0·78	*lbs* 0·52	*lbs* 0·57	*lbs* 0·26	*lbs* 0·78	*lbs* 0·21	*lbs* 0·42	*lbs* 1·04	*lbs* 0·52
	2	0·52	0·78	0·78	0·78	0·62	0·26	0·16	0·16	0·26	0·10	0·52	0·10
	3	0·42	0·26	0·26	0·16	0·26	0·16	0·10	0·10	0·10	0·10	0·26	0·16
	4	0·26	0·05	0·05	0·00	0·00	0·05	0·10	0·31	0·10	0·00	0·10	0·05
	5												
	6	0·42	0·78	0·26	0·42	0·52	0·16	0·21	0·26	0·31	0·05	0·10	0·52
	7	0·52	0·26	0·42	0·52	0·52	0·36	0·47	0·52	0·52	0·36	0·05	0·26
	8	1·10	0·78	0·52	0·52	0·42	0·10	0·26	0·16	0·26	0·26	0·05	0·94
	9	0·88	1·30	0·52	0·52	0·00	0·21	0·26	0·26	0·21	0·26	0.26	0·42
	10	0·94	0·52	0·52	1·04	0·78	0·16	0·21	0·10	0·31	0·52	0·05	0·26
	11	0·52	0·26	0·26	0·21	0·10	0·26	0·26	0·42	0·73	1·04	0·52	0·26
	12												
	13	1·04	1·04	0·78	0·98	0·78	0·47	0·36	0·42	0·52	0·10	0·52	0·52
	14	1·04	1·04	0·78	0·52	0·78	0·26	0·36	0·42	0·16	0·26	0·05	0·16
	15	1·56	0.78	0·78	0·78	0·78	0·78	0·52	0·52	0·78	0·78	0·78	0·26
	16	2·60	1·30	1·56	1·04	1·30	1·04	0·52	1·04	0·78	2·08	2·08	1·04
	17	1·04	0·52	0·42	0·52	0·42	0·26	0·26	0·52	0·78	0·78	0·26	0·52
	18	1·04	0·05	0·52	0·52	0·26	0·52	0·42	0·42	0·52	0·42	0·42	0·31
	19												
	20	1·04	1·04	0·26	0·42	0·78	0·10	0·05	0·05	0·10	0·00	1·04	1·56
	21	0·26	0·05	0·05	0·05	0.05	0·00	0·00	0·00	0·05	0·05	0·26	0·16
	22	0·00	0·00	0·00	0·05	0·16	0·05	0.05	0·05	0·05	0·16	0·26	0·26
	23	0·00	0·00	0·26	0.52	0·52	0·05	0·10	0·10	0·26	0·05	0·26	0·36
	24	0·00	0·52	0·78	1·30	1·04	0·26	0·16	0·05	0·16	0·05	0·16	0·16
	25	0·78	0·78	0·52	0·52	0·78	0·26	0·16	0·10	0·10	0·10	0·26	0·26
	26												
	27	0·26	0·00	0·26	0·78	0·78	0·16	0·05	0·05	0·05	0·26	0·26	0·42
	28	0·00	0·10	0·10	0·10	0·26	0·21	0·26	0·05	0·26	0·88	0·52	0·78
	29	0·00	0·00	0·00	0·00	0·10	0·05	0·16	0·16	0·26	0·52	1·56	0·52
	30	0·00	0·10	0·00	0·21	0·26	0·21	0·16	0·16	0·21	0·26	0·16	0·26
	31												

Date. Göttingen Mean Time.		FORCE OF THE WIND.											
		Noon.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
OCTOBER, 1846.	1	*lbs* 0·78	*lbs* 0·78	*lbs* 0·78	*lbs* 0·78	*lbs* 0·42	*lbs* 0·26	*lbs* 0.16	*lbs* 0·00	*lbs* 0·00	*lbs* 0·05	*lbs* 0·00	*lbs* 0·00
	2	0·78	1·04	1·82	2·86	1·82	0·47	0·36	0·21	0·05	0·10	0·05	0·16
	3												
	4	1.56	0·26	0·00	0·26	0·10	0·00	0·00	0·10	0·00	0·00	0·00	0·00
	5	0·26	0·42	0·42	0·26	0·00	0·00	0·10	0·05	0·05	0·10	0·26	0·05
	6	0·78	0·78	0·88	0·78	0·26	0·00	0.00	0·00	0·00	0·00	0·00	0·00
	7	0·10	0·78	0·26	0·78	0·52	0·00	0·00	0·00	0·00	0·00	0·00	0·00
	8	0·16	0·16	0·00	0·16	1·04	0·00	0·00	0.10	0·16	0·16	0·26	0·00
	9	1·04	1·56	0·78	1·84	1·30	0·05	0·10	0·00	0·16	0.00	0·00	0·00
	10												
	11	1·04	1·04	0·78	0·16	0·05	0·00	0·00	0·00	0·00	0·00	0·00	0·00
	12	0·52	1·04	0·78	0·52	0·52	0·10	0·05	0·00	0·00	0·00	0·00	0·00
	13	1·30	1·30	1·30	1·04	1·04	0·05	0·05	0·00	0·00	0·00	0·00	0·00
	14	0·78	0·42	0·26	0·26	0·26	0·05	0·00	0·00	0·00	0·00	0·00	0·00
	15	0·52	0·52	1·56	0·52	0·52	0·16	0·26	0·10	0·00	0·00	0·00	0·88
	16	0·52	0·78	0·78	0·52	0·00	0·00	0·05	0·05	0·00	0·00	0·00	0·00
	17												
	18	0·78	0·52	0·10	0·05	0·05	0·00	0·00	0·26	0·21	0·05	0·36	0·05
	19	1·04	0·78	0·52	0·78	0·36	0·26	0·16	0·05	0·05	0·00	0·00	0·00
	20	1·04	1·30	0·78	0·52	0·62	0·10	0·00	0.00	0·00	0·00	0·05	0·26
	21	1·04	1·56	1·04	1·04	0·26	0·05	0·00	0·00	0·00	0·00	0·00	0·05
	22	0·78	0·78	0·10	0·00	0·26	0·00	0·00	0·05	0·05	0·00	0·00	0·00
	23	0·26	0·16	0·10	0·00	0·00	0·00	0·00	0·00	0·00	0·00	0·12	0·26
	24												
	25	1·30	1·56	0·52	0·78	0·78	0·52	0·47	0·36	0·73	1·30	0·05	0·05
	26	1·04	1·04	1·30	1·56	1·56	0·73	0·26	0·47	0·26	1·04	0·00	0·05
	27	1·30	1·56	1·04	1·04	1·04	1·14	0·99	0·62	0·05	0·10	0·10	0·26
	28	1·56	1·56	1·56	1·30	0·78	0·21	0·10	0·05	0·00	0·36	0·99	0·88
	29	1·04	1·30	1·30	1·04	0·78	0·47	0·16	0·05	0·00	0·05	0·00	0·36
	30	1·82	1·30	1·04	1·04	0·78	0·73	0·00	0·00	0·00	0·00	0·16	0·00
	31												

Date. Göttingen Mean Time.		FORCE OF THE WIND.											
		Noon	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}
NOVEMBER, 1846.	1	*lbs* 1·04	*lbs* 0·52	*lbs* 0·42	*lbs* 0·26	*lbs* 0·00	*lbs* 0·00	*lbs* 0·00	*lbs* 0·00	*lbs* 0·16	*lbs* 0·00	*lbs* 0.00	*lbs* 0·26
	2	0·05	0·26	0·05	0·26	0·00	0·00	0·00	0·00	0·00	0·00	0·00	0·00
	3	0.26	0·26	0·00	0·05	0·00	0·05	0·00	0·00	0·00	0·00	0·00	0·00
	4	1·30	0·42	0·78	0·78	0·00	0·05	0·00	0·00	0·00	0·00	0·00	0·05
	5	1·04	1·04	1·04	1·04	0·78	0·16	0·00	0·00	0·00	0·52	0·00	0·00
	6	0·88	0·26	0·26	0·26	0·10	0·10	0·00	0.00	0·00	0·00	0·05	0·00
	7												
	8	1·04	1·04	0·78	0·78	0·26	0·00	0·00	0·00	0·00	0·00	0·00	0·00
	9	0·52	1·04	0·52	0·42	0·26	0·16	0·00	0·00	0·00	0·00	0·05	0·05
	10	0·78	0·52	0·52	0·26	0·10	0·16	0·05	0·00	0·00	0·00	0·00	0·00
	11	0·52	0·26	0·26	0·16	0·05	0·10	0·00	0.00	0·00	0·00	0·00	0·00
	12	1·30	1·04	1·30	1·56	1·30	0·16	0·00	0·00	0.00	0·05	0·16	0·00
	13	0·78	1·04	1·04	1·30	0·52	0·16	0·05	0·00	0·05	0·00	0·00	0·26
	14												
	15	1·04	1·04	0·52	0·52	0·78	0·78	0·16	0·00	0·00	0·00	0·00	0·05
	16	0·78	0·78	1·04	1·04	0·78	0·05	0·00	0·00	0·05	0·00	0·26	0·00
	17	0·57	0·78	0·42	0·42	0·26	0·00	0·05	0·00	0·10	0·00	0·00	0·42
	18	0·36	1·04	1·04	0·78	0·52	0·26	0·16	0·05	0·00	0·00	0·42	0·26
	19	0.52	0·52	0·78	1·04	1·04	0·10	0·05	0·00	0·00	0·00	0·00	0·00
	20	0·52	0·78	1·04	1·30	0·78	0·26	0·00	0·00	0·00	0·00	0·00	1·04
	21												
	22	0·42	0·26	0·10	0·78	0·52	0·26	0·16	0·00	0·00	0·00	0·00	0·00
	23	0·78	1·04	0·78	1·04	1·04	0·26	0·10	0·00	0·00	0·26	0·00	0·00
	24	0·36	0·78	1·04	1·04	1·04	0·26	0·10	0·00	0·00	0·00	0·00	0·00
	25	0·26	1·04	1·04	1·56	0·78	0·26	0·05	0·00	0·00	0·16	0·00	0·00
	26	1·04	1·30	1·30	1·56	1·04	0·10	0·05	0·00	0·00	0·00	0·42	0·26
	27	1·04	1·04	1·30	1·04	1·04	0·47	0·21	0·00	0·00	0·00	0·00	0·26
	28	0·26	0·26	0·05	0·05	0·05	0·00	0·00	0·00	0·00	0·00	0·00	0·00
	29												
	30	0·26	0·10	0·26	0·26	0·26	0.16	0·00	0·00	0.00	0·00	0·00	0·00
	31												

Date. Göttingen Mean Time.		FORCE OF THE WIND.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
OCTOBER, 1846.	1	*lbs* 0·00	*lbs* 0·21	*lbs* 0·26	*lbs* 0·42	*lbs* 0·10	*lbs* 0·05	*lbs* 0·21	*lbs* 0·26	*lbs* 0·73	*lbs* 0·78	*lbs* 1·30	*lbs* 1·56
	2	0·05	0·26	0·10	0·10	0·10	0·05	0·16	0·26	0·36	0·47	0·52	1·56
	3												
	4	0·00	0·00	0·00	0·00	0·00	0·10	0·05	0·26	0·26	0·42	0·78	0.52
	5	0·00	0·10	0·42	0·05	0·26	0·05	0·05	0·00	0·00	0·26	0·78	1·04
	6	0·05	0.05	0·00	0·26	0·00	0·16	0·26	0·21	0·26	0·26	0·26	0·10
	7	0·00	0·52	0·26	0·26	0·26	0·16	0·21	0·16	0·06	0·05	0·42	0·26
	8	0·01	0·05	0·16	0·16	0·10	0·10	0·05	0·00	0·16	0·26	0·52	0·78
	9	0·00	0·26	0·00	0·00	0·10	0·05	0·05	0·10	0·00	0·00	0·05	0·21
	10												
	11	0·00	0·00	0·10	0·00	0·16	0·10	0·10	0·00	0·10	0·05	0·05	1·56
	12	0.00	0·00	0·05	0·26	0.26	0·05	0·10	0·05	0·00	0·00	0·78	1·04
	13	0·00	0·00	0·00	0·00	0·00	0·05	0·05	0·10	0·00	0·05	0·10	0·26
	14	0·00	0·05	0·10	0·00	0·05	0·00	0·05	0·00	0·00	0·26	0·52	0·78
	15	0·00	0·00	0·26	0·42	1·30	0·36	0·10	0·00	0·05	0·10	0·52	0·99
	16	0·00	0·00	0·05	0·05	0·05	0·05	0·05	0·05	0·05	0·16	0·52	0·52
	17												
	18	0·00	0·00	0·16	0·05	0·10	0·10	0·05	0·26	0·78	0·88	1·04	1·04
	19	0·00	0·00	0·00	0·05	0·05	0·10	0·10	0·05	0·21	0·52	0·99	1·04
	20	0·26	0·42	0·05	0·26	0·42	0·21	0·26	0·10	0·05	0·52	0·52	0·52
	21	0·10	0·26	0·26	0·26	0·10	0·05	0.05	0·10	0.16	0·52	1·56	0·52
	22	0·00	0·10	0·00	0·05	0·10	0·16	0·10	0·10	0·05	0·21	0·26	0·26
	23	0·78	0·78	0·78	0·26	0·26	0·10	0·05	0·10	0·05	0·00	0·00	0·42
	24												
	25	0·00	0·00	0·10	0·05	0·26	0·10	0·16	0·78	0.99	1·56	1·56	1·56
	26	0·00	0·00	0·00	0·00	0·00	0·16	0·78	0·99	0·62	1·01	2·08	1·56
	27	0·26	0·10	0·05	0·00	0·26	0·05	0.42	1·04	1·30	1·56	1·56	1·30
	28	1·04	1·04	0·42	0·26	0·10	0·10	0·05	0·10	0·73	0·78	0·78	0·88
	29	0·52	0·16	0·52	0·52	0.26	0·05	0·05	0·10	0·57	1·56	1·30	1·82
	30	0·00	0·05	0·05	0·00	0·05	0·05	0·05	0·05	0·05	0·42	0·88	0·52
	31												

Date. Göttingen Mean Time.		FORCE OF THE WIND.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
NOVEMBER, 1846.	1	*lbs* 0·00	*lbs* 0·00	*lbs* 0·05	*lbs* 0·00	*lbs* 0·26	*'bs* 0·16	*lbs* 0·05	*lbs* 0·05	*lbs* 0·05	*lbs* 0·10	*'bs* 0·05	*lbs* 0·00
	2	0·00	0·00	0·05	0·26	0·26	0·05	0·05	0·10	0·10	0·05	0·16	0·26
	3	0.00	0·00	0·00	0·00	0·10	0·10	0·05	0·05	0·10	0·16	0·26	0·26
	4	0·00	0·00	0·00	0·05	0·05	0.05	0·05	0·00	0·21	0·88	0·78	1·04
	5	0.52	0·26	0·10	0·52	0·10	0·10	0·05	0·26	0·26	0·42	1·30	0·78
	6	0·00	0·00	0·00	0·00	0·10	0·05	0·05	0·21	0·26	0·26	0·78	0·36
	7												
	8	0·16	0·26	0·26	0·26	0·52	0·10	0·16	0·05	0·00	0·21	0·26	0·62
	9	0·26	0·26	0·52	0·42	0·10	0.05	0·10	0·05	0·05	0·05	0·52	0·88
	10	0·00	0·00	0·00	0·05	0·15	0·05	0·05	0·05	0·05	0·52	0·52	0·42
	11	0·16	0·10	0·10	0·26	0·10	0·16	0·05	0·00	0·00	0·00	0·52	0·52
	12	0·00	0·05	0·00	0·00	0·10	0·05	0·00	0·05	0·05	0·21	1·04	0·52
	13	0·78	0·52	0·21	0·10	0·05	0·21	0·10	0·05	0·05	0·57	1·04	0·36
	14												
	15	0·05	0·26	0·05	0·26	0·10	0·16	0·05	0·16	0·05	0·36	0·00	0·52
	16	0·10	0·26	0·10	0·05	0·05	0·05	0·05	0·00	0·00	0·00	1·04	0·78
	17	0·26	0·10	0·05	0·16	0·05	0·10	0·16	0·05	0·10	0·00	0·16	0·10
	18	0·00	0·26	0·16	0·10	0·16	0·05	0·00	0·05	0·05	0·00	0·10	0·42
	19	0·00	0·26	0·16	0·10	0·16	0·10	0·05	0·00	0·05	0·16	0·78	0·88
	20	0·52	—	0·26	0·16	0·10	0·10	0·05	0·05	0·00	0·26	0·52	0·88
	21												
	22	0·00	0·52	0·42	0.52	0·78	0·10	0·16	0·10	0·05	0·05	0·26	0·36
	23	0·10	0·10	0·21	0·21	0·26	0·16	0·05	0·05	0·10	0·00	0·00	0·52
	24	0·05	0·52	0·52	0·16	0·26	0·42	0·52	0·36	0·10	0·00	0·26	0·52
	25	0·42	0·26	0·16	0·16	0·26	0·10	0·05	0·10	0·10	0·16	0·78	0·36
	26	0·05	0·05	0·26	0·26	0·05	0·05	0·10	0·05	0·05	0·16	1·56	0·78
	27	0·26	0·78	0·10	0·10	0·42	0·16	0·10	0·00	0·05	0·10	0·10	0·42
	28	0·00	0·00	0·16	0·26	0·00	0·05	0·00	0·10	0·36	0·78	0·78	0·78
	29												
	30	0·00	0·00	0·00	0.00	0·10	0.10	0·05	0.05	0·05	0·05	0·05	1·04
	31												

Date. Göttingen Mean Time.		FORCE OF THE WIND.											
		Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
DECEMBER, 1846.	1	*lbs* 1·04	*lbs* 0·42	*lbs* 0·26	*lbs* 0·00	*lbs* 0·00	*lbs* 0·05	*lbs* 0·00	*lbs* 0·00	*lbs* 0·00	*lbs* 0·00	*lbs* 0·00	*lbs* 0·00
	2	0·78	1·04	1·04	1·56	1·30	0·26	0·16	0·05	0·00	0·00	0·00	0.00
	3	1·56	1·56	1·56	1·56	0·78	0·05	0·05	0·00	0·05	0·00	0·00	0·00
	4	0·62	0·78	0·42	0·78	0·78	0.05	0·05	0·00	0·00	0·42	0·26	0·00
	5												
	6	1·82	0·78	1·04	1·04	1·04	0·52	0·21	0·05	0·05	0·00	0·00	0·16
	7	0·52	1·04	0·78	0·88	0·78	0·36	0·21	0·16	0·10	0·00	0·00	0·00
	8	0·16	0·52	0·05	0·10	0·00	0·00	0·05	0·10	0·10	0·05	0·00	0·00
	9	0·78	0·52	0·52	0·78	0·26	0·16	0·05	0·00	0·00	0·00	0·00	0·00
	10	0·26	1·04	1·30	1·30	1·04	0·47	0·21	0·00	0·00	0·00	0·00	0·00
	11	0·36	0·78	0·78	0·78	0·26	0·05	0·00	0·00	0·00	0·00	0·00	0·00
	12												
	13	1·30	1·82	1·56	1·04	1·04	0·47	0·16	0·16	0·16	0·00	0·05	0·00
	14	0·52	0·52	0·78	0·42	0·78	0·36	0·26	0·16	0·16	0·42	0·36	0·26
	15	0·26	0·26	0·52	0·26	0·05	0·00	0·05	0·05	0·16	0·52	0·05	0·00
	16	0·78	0·78	0·10	0·52	0·16	0·05	0 00	0·00	0·00	0·00	0·00	0·10
	17	0·26	0·78	0·52	0·52	0·52	0·47	0·52	0·26	0·10	0·00	0·00	0·00
	18	0·78	1·04	1·04	1·04	0·78	0.05	0·10	0·26	0.05	0·00	0·00	0.00
	19												
	20	0·52	0·78	1·04	1·82	1·04	0·05	0·00	0·00	0·00	0·00	0·00	0·00
	21	0·52	1·04	0·78	1·56	1·56	0·26	0·21	0·21	0·05	0·52	0·52	0·05
	22	1·04	1·04	0·78	1·30	1·04	0·78	0·21	0·05	0·00	0·00	0·36	0·52
	23	0 78	1·30	1·30	1·30	1·04	0·47	0·05	0·00	0·00	0·00	0·00	0·26
	24	0·26	1.30	1·04	1·04	1·04	0·26	0·36	0·10	0·00	0·00	0·00	0·00
	25	0·26	0·52	0·26	0·10	0·26	0·05	0·05	0·00	0·00	0·00	0·00	0·00
	26												
	27	0·52	0·62	0·52	0·52	0·42	0·05	0·00	0·00	0·00	0·00	0·00	0·00
	28	0·26	0·52	0·05	0·52	1·04	0·16	0·00	0·00	0·00	0·00	0·00	0·10
	29	0·36	0·42	1·04	0·78	1·30	0·78	0·31	0·16	0·00	0·00	0·00	0·00
	30	0·16	0·78	0·78	0·78	0·78	0·99	0·00	0·00	0·00	0·00	0·00	0·00
	31	0·52	0·26	1·04	1·04	0·52	0·73	0·05	0·00	0·00	0.00	0·00	0·52

Date. Göttingen Mean Time.		FORCE OF THE WIND.											
		12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
DECEMBER, 1846.	1	*lbs* 0·00	*lbs* 0·00	*lbs* 0·05	*lbs* 0·00	*lbs* 0·52	*lbs* 0·26	*lbs* 0·21	*lbs* 0·21	*lbs* 0·21	*lbs* 0·26	*lbs* 0·52	*lbs* 0·62
	2	0·00	0·00	0·26	0·26	0·26	0·10	0·00	0·26	0·36	0·52	0·78	1·30
	3	0·00	0·00	0·10	0·05	0·10	0·05	0·05	0·00	0·00	0·16	0·16	0·16
	4	0·00	0·26	0·78	0·78	0·78	0·21	0·16	0·21	0·10	0·05	0·52	0·78
	5												
	6	0·05	0·05	1·04	0·78	0·78	0·26	0·21	0·05	0·36	0·26	0·78	0·78
	7	0·10	0·10	0·78	0·78	0·52	0·16	0·16	0·05	0·16	0·26	0·10	0·26
	8	0·00	0·00	0·05	0·05	0·05	0·16	0·05	0·05	0·05	0·26	0·52	0·78
	9	0·00	0·00	0·05	0·00	0·05	0·21	0·05	0·26	0·36	0·52	0·52	0·52
	10	0·00	0·00	0·00	0·00	0·00	0·05	0·00	0·10	0·21	0·42	0·78	0·52
	11	0·00	0·26	0·26	0·05	0·05	0·16	0·26	0·78	0·52	0·42	0·42	0·52
	12												
	13	0·00	0·26	0·10	0·26	0·42	0·21	0·26	0·21	0·26	0·62	0·78	1·04
	14	0·00	0·26	0·21	0·05	0·00	0·05	0·00	0·05	0·16	0·36	0·16	0·10
	15	0·00	0·05	0·05	0·05	0·05	0·05	0·05	0·05	0·00	0·26	0·26	0·26
	16	0·00	0·05	0·10	0·05	0·00	0·16	0·05	0·05	0·00	0·26	0·26	0·52
	17	0·00	0·00	0·00	0·00	0·00	0·00	0.00	0·00	0·05	0·10	0·42	0·52
	18	0·00	0·00	0·00	0·00	0·52	0·16	0·10	0·00	0·05	0·00	0·05	0·00
	19												
	20	0·00	0·00	0·26	0·21	0·16	0·16	0·26	0·36	0·47	0·52	1·04	0·78
	21	0·05	0·52	0·26	0·26	0·42	0·26	0·05	0·05	0·05	0·00	0·78	1·04
	22	0·05	0·16	0·05	0·00	0·05	0·05	0·05	0·16	0·05	0·05	0·16	0·62
	23	0·26	1·14	0·42	0·26	0·26	0·16	0·10	0·21	0·31	0·05	0·16	0·26
	24	0·00	0·00	0·00	0·00	0·00	0·05	0·05	0·05	0·00	0·05	0·26	0·26
	25	0·00	0·26	0·26	0·26	0·26	0·05	0·16	0·10	0·00	0·00	0·26	0·26
	26												
	27	0·00	0·26	0·26	0·16	0·42	0·05	0·05	0·05	0·00	0·00	0·05	0·26
	28	0·00	0·05	0·10	0·26	0·42	0·26	0.10	0·05	0·00	0·00	0·05	0·26
	29	0·00	0·78	0·52	0·10	0·05	0·16	0·10	0·05	0·05	0·00	0·00	0·00
	30	0·05	0·26	0·52	0·78	0·78	0·36	0·26	0·16	0.10	0·00	0·00	0·05
	31	0·52	0·42	0·78	0·16	0·10	0·05	0·00	0·05	—	—	—	—

FALL OF RAIN. (By Newman's Gauge.)

Bombay Mean Time.		4^h·12	5^h·12	6^h·12	7^h·12	8^h·12	9^h·12	10^h·12	11^h·12	12^h·12	13^h·12	14^h·12	15^h·12
Gottingen Mean Time.		Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
AUGUST, 1846.	1	..	..	..	..	..	..	..	..	..	..	..	..
	2	..	..	..	..	..	..	..	0·01	..	..	..	..
	3	..	..	0·01	..	..	..	..	0·01	..	..	..	0·01
	4	..	..	0·04	..	..	..	..	..	0·01	..	..	..
	5	..	..	..	..	0·07	..	..	0·08	0·06	..	..	...
	6	..	..	..	..	..	..	0·01	..	..	..	..	..
	7	..	..	..	0·03	..	..	..	0·08	0·02	0·05	0·01	..
	8	..	..	..	..	..	..	..	..	..	0·04	..	..
	9	..	..	..	..	..	..	..	..	..	0·04	..	..
	10	..	..	..	..	..	..	..	..	..	..	..	..
	11	..	..	..	..	..	..	..	..	..	..	..	..
	12	0·07	0·28	0·16	0·02	..	..	..	0·01	0·01	..	..	..
	13	..	0·33	..	..	..	..	..	..	..	..	..	..
	14	..	..	..	..	..	..	..	0·03	..	..	..	0·02
	15	..	..	..	..	..	..	..	..	..	..	..	..
	16	..	..	0·01	..	..	0·05	0·03	..	..	..	..	..
	17	0·02	..	..	..	..	..	..	..	0·13	0·01	..	..
	18	..	..	..	..	0 02	..	0·01	..	0·03	..	0·03	..
	19	..	..	..	..	.	..	..	0·02	0·04	..	..	..
	20	..	..	..	..	..	..	..	..	..	..	0·07	0·04
	21	..	..	..	..	..	..	..	..	..	..	..	..
	22	..	..	..	..	..	..	..	..	..	..	..	..
	23	..	..	0·01	..	..	..	..	..	..	..	..	0·03
	24	..	..	..	..	..	..	..	..	..	..	..	..
	25	..	..	..	..	..	..	..	..	..	..	..	..
	26	..	..	..	..	..	..	..	..	..	..	..	..
	27	..	..	..	..	..	..	..	..	..	0·03	..	..
	28	..	..	0·02	0·05	..	..	..	..	..	..	..	..
	29	..	..	..	..	0·10	..	..	..	0·04	..	..	..
	30	..	..	..	..	..	..	..	..	..	..	..	..
	31	..	..	..	..	..	..	..	..	..	..	0·01	0·04

FALL OF RAIN. (By Newman's Gauge.)

Bombay Mean Time.		4^h·12	5^h·12	6^h·12	7^h·12	8^h·12	9^h·12	10^h·12	11^h·12	12^h·12	13^h·12	14^h·12	15^h·12
Gottingen Mean Time.		Noon.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
SEPTEMBER, 1846.	1	0·08	..	..	..	..	..	0·46	..	..	..	..	..
	2	..	..	..	..	..	..	..	..	..	..	..	..
	3	..	..	..	..	..	..	..	..	..	..	0·27	0·04
	4	..	..	..	..	..	..	..	..	..	..	..	..
	5	..	..	..	..	..	..	..	..	..	..	..	..
	6	..	..	0·03	..	..	..	0·12	0·02	..	..	0·01	0·02
	7	..	..	..	..	..	..	0·01	0·02	..	0·04	..	..
	8	..	..	..	..	..	..	..	..	..	..	..	..
	9	0.03	..	..	..	..	..	0·04	..	0·10	0·08	0·01	0·03
	10	..	..	..	0·02	0·12	0·03	0.05	..	0·01	0.01	..	..
	11	..	..	..	..	..	..	..	..	..	..	..	..
	12	..	..	..	..	..	..	..	..	..	..	..	..
	13	..	..	..	..	..	..	..	..	..	..	..	..
	14	..	..	..	..	..	..	..	..	..	..	..	..
	15	0·07	0·10	..	..	..	..	0·06	0·05	0·24	..	0·09	..
	16	..	0·01	..	..	..	..	..	0.05	0·01	0·04	..	..
	17	0·35	0·03	0·01	..	0·01	..	..	0·22	..	..	..	..
	18	..	..	..	0·03	0·02	..	..	..	..	..	..	0·02
	19	..	..	..	..	..	..	..	..	..	..	..	..
	20	0·05	..	0·09	..	..	0·48	0·75	..	..	..	..	..
	21	..	0·01	0·07	0·01	..	..	..	..	..	..	0·05	..
	22	..	..	..	..	..	..	..	..	..	..	..	..
	23	..	..	..	..	..	..	..	..	..	..	..	..
	24	..	..	..	..	..	..	..	..	..	..	..	..
	25	..	..	..	..	..	..	..	..	..	..	..	..
	26	..	..	..	..	..	..	..	..	..	..	..	..
	27	..	..	..	..	..	..	..	..	..	..	..	..
	28	..	..	..	..	..	..	..	..	..	..	..	..
	29	..	..	..	..	..	..	..	..	..	..	..	..
	30	..	..	..	..	..	..	..	..	..	..	..	..
	31												

FALL OF RAIN. (By Newman's Gauge.)

	Bombay Mean Time.	16^{h}·12	17^{h}·12	18^{h}·12	19^{h}·12	20^{h}·12	21^{h}·12	22^{h}·12	23^{h}·12	0^{h}·12	1^{h}·12	2^{h}·12	3^{h}·12	Sums
	Gottingen Mean Time.	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}	
AUGUST, 1846.	1	..	..	..	..	..	..	..	..	..	..	..	0·17	0·17
	2	..	..	0·01	..	..	..	..	..	..	..	..	0·01	0·03
	3	..	..	..	..	..	..	..	..	..	..	..	..	0·06
	4	..	0·06	..	..	..	..	..	..	..	..	..	..	0·18
	5	..	..	..	0·01	..	..	..	..	..	..	..	..	0·22
	6	..	..	..	..	0·02	0·05	..	..	0·02	..	..	..	0·10
	7	..	..	0·01	..	..	..	..	..	..	..	..	..	0·20
	8	..	..	..	..	..	..	..	..	..	..	..	0·42	0·42
	9	..	0·01	..	..	..	..	..	..	..	..	..	..	0·05
	10	..	..	..	..	..	..	..	..	..	..	..	..	..
	11	..	..	..	0·11	0·02	..	..	..	..	..	..	..	0·64
	12	0·18	..	..	..	0·09	..	..	..	..	..	..	..	0·64
	13	..	..	..	..	..	..	..	..	..	..	..	..	..
	14	..	..	0·13	..	..	..	..	..	..	..	0·02	..	0·20
	15	..	..	..	..	..	..	..	..	..	..	..	0·55	0·56
	16	..	..	..	..	..	..	..	..	..	0·12	..	..	0·22
	17	0·10	..	..	..	..	..	0·03	0·02	..	..	..	0·03	0·33
	18	..	0·01	..	..	..	..	0·01	..	..	..	..	..	0·13
	19	0·07	..	..	..	..	..	..	..	..	..	..	..	0·14
	20	..	0·01	..	..	..	..	..	..	0·01	..	..	..	0·12
	21	..	..	0·02	..	..	..	0·09	..	..	..	..	..	0·12
	22	..	..	..	..	..	..	..	..	..	..	..	0·76	0·77
	23	..	..	..	..	0·02	..	..	..	..	..	..	..	0·05
	24	..	..	0·05	..	..	..	..	..	..	..	..	..	0·05
	25	..	..	..	..	..	..	..	..	..	..	..	..	..
	26	0·01	..	..	..	..	..	0·04	..	..	..	..	0·01	0·06
	27	..	..	..	..	..	..	..	0·09	..	..	..	..	0·14
	28	0·33	..	..	0·03	..	..	..	..	..	..	..	..	0·41
	29	..	..	..	..	..	..	..	..	..	..	..	0·03	0·17
	30	..	..	..	..	..	..	..	..	..	..	..	0·29	0·29
	31	0·05	..	..	..	..	..	..	..	..	..	..	..	0·18
													Total fall during the month	6·65

FALL OF RAIN. (By Newman's Gauge.)

	Bombay Mean Time.	16^{h}·12	17^{h}·12	18^{h}·12	19^{h}·12	20^{h}·12	21^{h}·12	22^{h}·12	23^{h}·12	0^{h}·12	1^{h}·12	2^{h}·12	3^{h}·12	Sums
	Gottingen Mean Time.	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}	
SEPTEMBER, 1846.	1	..	..	..	0·03	..	..	..	..	..	..	..	..	0·49
	2	..	..	..	..	..	..	..	..	..	..	..	..	..
	3	..	..	..	..	..	..	..	..	..	..	..	..	0·31
	4	..	..	..	..	..	..	0·02	..	..	..	..	..	0·02
	5	..	..	..	..	..	..	..	..	..	..	..	0·03	0·03
	6	..	..	..	..	..	..	..	..	..	..	..	..	0·20
	7	..	..	..	..	..	..	..	..	..	..	..	..	0·07
	8	..	..	..	..	..	..	..	..	..	..	..	..	0·03
	9	..	..	0·01	0·01	0·12	0·06	0·02	..	..	..	..	..	0·48
	10	..	..	..	..	..	..	0·02	..	..	..	..	0·07	0·32
	11	..	..	..	0·01	..	..	0·03	..	..	..	..	..	0·04
	12	..	..	..	..	..	..	..	..	..	..	..	0·22	0·22
	13	..	..	..	..	..	..	..	..	..	..	..	..	..
	14	..	..	..	..	..	..	..	..	..	..	..	..	0·17
	15	..	..	..	..	..	..	..	..	..	..	0·03	..	0·48
	16	..	..	..	..	..	..	..	..	..	0·02	0·05	0·23	0·79
	17	..	..	..	..	..	..	..	..	..	..	..	..	0·23
	18	0·01	..	..	..	..	..	..	..	..	..	..	..	0·08
	19	..	..	..	..	..	..	..	..	..	..	..	1·07	1·21
	20	..	..	..	..	0·03	..	..	0·42	0·03	..	0·08	0·61	1·25
	21	..	..	0·01	..	..	0·08	..	..	..	..	..	..	0·15
	22	..	..	..	..	..	..	..	..	0·07	..	..	..	0·07
	23	..	..	0·01	..	..	..	..	..	..	..	..	..	0·01
	24	..	..	..	..	..	..	..	..	..	..	..	..	..
	25	..	..	..	..	..	..	..	..	..	..	..	..	..
	26	..	..	..	..	..	..	..	..	..	..	..	..	..
	27	..	..	..	..	..	..	..	..	..	..	..	..	..
	28	..	..	..	..	..	..	..	..	..	..	..	..	..
	29	..	..	..	..	..	..	..	..	..	..	..	..	..
	30	..	..	..	..	..	..	..	..	..	..	..	..	..
	31													
													Total fall during the month	6·65

FALL OF RAIN. (By Newman's Gauge.)

	Bombay Mean Time.	4h.12	5h.12	6h·12	7h·12	8h·12	9h.12	10h·12	11h.12	12h.12	13h·12	14h.12	15h·12
	Gottingen Mean Time.	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
JUNE, 1846.	1	..	..	..	..	..	..	..	..	..	..	..	..
	2	..	..	..	..	..	..	..	..	..	..	0·37	..
	3	..	..	..	..	..	..	..	0.37	..	..	..	..
	4	..	..	..	..	..	..	..	..	..	..	..	..
	5	..	..	..	..	..	..	..	..	..	..	..	..
	6	..	..	..	..	..	..	..	..	..	..	..	..
	7	..	..	..	..	..	..	..	..	..	..	..	..
	8	..	..	..	..	..	..	..	..	..	..	..	..
	9	..	..	..	..	0.17	0·19	0·34	0 66	0.06	0·03	..	0·06
	10	..	..	..	..	..	0·02	0·19	0.13	0·01	..	..	..
	11	0·17	0·09	0·03	0·01	..	..	..	..	..	..	..	..
	12	0·11	0·17	0·38	1.41	0·35	0 09	0·04	..	..	..	..	..
	13	..	..	..	..	..	..	..	..	..	..	..	..
	14	..	..	..	..	0·34	0·14	0·00	..	..	..	..	..
	15	..	..	..	..	..	..	0·01	..	..	..	..	..
	16	0·05	0·14	0·00	..	..	..	..	..	0·06	..	..	..
	17	..	..	0.30	0·16	0·11	1·15	0·20	0.01	0.02	0·01	0·02	..
	18	..	..	..	0·35	0·06	0·15	0·13	0·03	..	0·03	..	..
	19	..	..	..	..	..	..	..	..	..	..	..	..
	20	..	..	..	..	..	..	..	..	..	..	..	..
	21	..	0·01	..	..	0.20	0·22	..	0·03	0·05	..	..	0·05
	22	..	..	..	..	..	..	..	..	..	..	..	..
	23	..	0·02	..	0·01	..	..	..	..	..	0·01	..	0·12
	24	0·20	0·03	..	..	..	..	..	..	..	..	..	..
	25	0·36	..	..	..	1·08	..	..	..	..	..	0·05	..
	26	..	..	..	0·04	..	0·02	..	..	0·01	..	0·01	0·02
	27	..	..	..	..	..	..	..	..	..	..	..	..
	28	..	0·02	0·07	0·01	..	0·03	0·03	..	0·01	..	..	..
	29	..	..	..	0.02	0·11	0·61	0.16	..	0.07	0.05	..	..
	30	0·01	0·00	0·00	0·08	0·23	..	..	..	0·01	..	..	0·06
	31												

FALL OF RAIN. (By Newman's Gauge.)

	Bombay Mean Time.	4h·12	5h·12	6h.12	7h.12	8h.12	9h·12	10h·12	11h·12	12h·12	13h·12	14h·12	15h.12
	Gottingen Mean Time	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
JULY, 1846.	1	..	..	..	..	..	..	..	0·01	0·01	..	..	..
	2	..	..	..	0·01	0·01	..	..	0·03	0·01	..	..	..
	3	..	..	..	..	..	..	..	..	..	0·05	..	..
	4	..	..	..	..	..	..	..	..	..	..	..	..
	5	..	..	..	..	0·01	..	..	..	0·07	..	..	..
	6	..	..	..	0·01	..	..	..	..	..	..	..	..
	7	..	..	..	..	..	..	..	..	..	..	..	..
	8	..	..	..	..	..	..	..	..	..	..	..	..
	9	..	..	..	..	..	..	..	..	..	..	..	..
	10	..	..	..	..	..	..	..	..	..	..	..	..
	11	..	..	..	..	..	..	..	..	..	..	..	..
	12	..	..	..	..	..	..	..	..	..	..	..	..
	13	..	0·01	..	..	..	0·15	0·05	0·02	..	..	..	0·35
	14	..	..	..	..	..	..	..	..	..	..	..	..
	15	0·01	0·01	..	0·40	1·09	0·93	0·38	0·17	0·15	0·08	0·07	0·05
	16	0.05	0·03	..	0·05	0·09	0·10	0·05	0·05	0.04	0·16	0·05	0·15
	17	0·42	0·12	0·26	0·03	0·05	0·09	0·02	0·33	0.12	0·03	0·05	0·05
	18	..	..	..	..	..	..	..	..	..	..	..	..
	19	0·12	0·22	0·02	0·15	0·13	0·03	0·05	0·07	0·17	0·08	0·05	0·04
	20	0.09	0·01	0·19	0·01	0·01	..	..	0·08	0·02	0·10	0·04	..
	21	0·01	..	0·10	..	0.13	0.05	0·02	..	..	0·08	0·05	0·09
	22	0·00	0.23	0.04	0·08	..	..	..	0·07	..	..	..	..
	23	0·08	..	0·22	..	0.03	..	..	0·08	..	..	0·02	..
	24	0·13	0·36	0.31	0·11	0·03	0·13	0·25	0·06	0·03	0·07	0·30	..
	25	..	..	..	..	..	..	..	..	..	..	..	..
	26	0·02	0·02	0·03	0·08	0·25	0·04	..	0·07	..	0·10	..	..
	27	..	0.08	0·02	..	..	0·03	0·01	..	..	..	..	0·02
	28	..	..	0·01	0·03	0·01	0·01	0·07	0·03	..	..	0·03	0·21
	29	0·04	0·02	..	..	..	0·01	..	..	..	..	..	..
	30	..	..	0·07	..	..	0·01	..	0·02	..	..	..	..
	31	..	0·02	0·03	..	..	..	0.04	..	..	..	0·01	..

FALL OF RAIN. (By Newman's Gauge.)

	Bombay Mean Time.	16^{h}·12	17^{h}·12	18^{h}·12	19^{h}·12	20^{h}·12	21^{h}·12	22^{h}·12	23^{h}·12	0^{h}·12	1^{h}·12	2^{h}.12	3^{h}·12	Sums
	Gottingen Mean Time.	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}	
JUNE, 1846.	1	..	0·09	0·38	..	..	0·07	0·01	..	..	..	..	...	0·55
	2	..	..	..	..	..	..	..	..	..	..	..	..	0·37
	3	..	..	..	..	..	..	..	..	..	..	..	..	0·37
	4	..	..	..	..	..	..	..	..	..	..	..	..	..
	5	..	..	..	..	..	..	..	..	..	..	..	..	..
	6	..	..	..	..	..	..	..	..	..	..	..	..	..
	7	..	..	..	..	0·08	0·07	..	..	..	..	..	..	0·15
	8	..	..	..	..	..	..	..	..	..	..	..	..	..
	9	..	..	..	..	..	..	..	..	..	..	..	..	1·51
	10	..	..	..	..	..	0.02	0·04	..	..	0·40	0·09	0·53	1·43
	11	..	..	..	..	0·06	0·12	0·01	0.02	0·04	0.39	0·02	0·01	0·97
	12	..	..	..	..	..	..	..	0.02	..	..	..	..	2·57
	13	..	..	..	..	..	..	..	..	..	..	..	0·82	0·82
	14	..	..	..	..	..	..	..	..	..	..	..	..	0·48
	15	..	..	0·01	..	..	..	..	..	..	..	0.03	0·05	0·10
	16	0·04	0·22	0·02	0·01	..	0·40	0·46	0·01	0.01	0·09	..	0·01	1.52
	17	..	0·44	0.67	1·10	0·09	0.08	0.12	0·09	..	..	..	..	4.57
	18	..	..	..	..	..	..	..	..	0·12	0·03	0·41	..	1·31
	19	..	..	..	..	..	..	..	..	..	..	..	..	..
	20	..	..	..	..	..	..	..	..	..	..	..	..	..
	21	..	..	..	..	..	..	..	..	..	..	..	..	0·56
	22	..	..	0·01	..	..	..	..	..	..	..	..	0·01	0.04
	23	0·06	0·01	..	0·01	0·01	0·09	0·47	0.20	0.25	..	..	0·01	1·48
	24	0·01	..	..	..	0·03	..	..	0·04	..	..	..	..	0·44
	25	..	..	..	0·02	0·08	0·35	0·53	0.22	0·06	0·06	0·01	0·01	2·47
	26	0·08	0·09	0·06	0.04	1·30	0·30	0.13	0.05	..	..	0.21	..	2·36
	27	..	..	..	..	..	..	..	..	..	..	..	0·59	0·59
	28	..	..	..	..	0.02	..	0·04	..	0·01	0·01	0·12	..	0·28
	29	0.02	..	..	..	..	..	..	..	..	..	..	..	1·05
	30	..	..	..	0·03	..	..	..	..	..	0·01	.	..	0.42
	31													

Total fall during the month 26·41

FALL OF RAIN. (By Newman's Gauge.)

	Bombay Mean Time.	16^{h}·12	17^{h}·12	18^{h}·12	19^{h}·12	20^{h}·12	21^{h}·12	22^{h}·12	23^{h}.12	0^{h}.12	1^{h}·12	2^{h}·12	3^{h}·12	Sums
	Gottingen Mean Time.	12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	$2\ ^{h}$	21^{h}	22^{h}	23^{h}	
JULY, 1846.	1	..	..	..	..	..	..	..	..	0·22	0·08	0·01	..	0·33
	2	...	..	..	0·01	0·04	..	0·25	0·19	..	0·05	..	..	0·60
	3	..	0·02	..	..	..	..	..	..	0·15	..	..	..	0·22
	4	..	..	..	..	..	..	..	..	..	..	..	0·09	0 09
	5	..	..	..	..	..	..	..	..	..	..	..	..	0.08
	6	..	..	..	..	..	0·09	..	..	..	..	..	..	0·10
	7	..	0·03	..	..	..	..	..	..	..	..	..	..	0·03
	8	..	..	..	..	..	..	..	..	..	..	..	..	..
	9	..	..	..	..	..	..	..	..	..	..	..	..	..
	10	..	..	..	..	..	..	..	..	..	..	..	..	..
	11	..	..	..	..	..	..	..	..	..	..	..	..	..
	12	..	..	0·01	0·13	..	..	..	..	..	..	..	..	0·15
	13	0·10	0·14	..	..	..	..	0·22	..	0·18	..	..	..	1·21
	14	0·12	..	..	..	..	..	..	0·18	0·06	0.02	0·02	..	0·42
	15	..	0·04	0·01	0·03	0.04	..	..	..	..	..	..	0·24	3·76
	16	0·16	0·01	0·27	0·06	0·05	0·54	0·10	0·14	0·31	0·15	0.92	0.88	5·16
	17	0·11	0·11	0·17	0·09	0·10	0·05	0·03	0.04	0·02	..	0·03	0·10	1·62
	18	..	..	..	..	..	..	..	..	..	..	..	2·57	2·93
	19	0·01	..	..	0·08	0·02	0·03	0·05	..	..	..	0·32	0·19	1.76
	20	0·05	1·01	0·07	0·07	0·23	0·29	0·45	0·04	0·16	0·25	0·10	0.09	3·21
	21	0·08	0·30	0·30	0·15	0·20	0.03	0·03	0·07	0·03	0.10	0·09	..	2·17
	22	0·10	..	..	..	0·04	..	0·10	..	0·03	..	..	..	0·72
	23	..	..	0·01	..	..	0·07	0·02	0·03	0·13	0·19	0.71	0·77	2·86
	24	0·05	0·04	..	0·05	0·06	0·08	0·01	0·07	0.39	0·21	0·17	0·03	2·14
	25	..	..	..	..	..	..	..	..	..	..	..	1·45	1·47
	26	..	0·03	0.24	0·01	..	0·03	..	..	..	..	..	..	0·95
	27	..	..	..	..	..	..	..	..	..	..	0·01	0·01	0·09
	28	..	..	..	..	0·08	..	0·04	0·02	0·02	..	..	..	0·61
	29	0·01	..	..	0·01	..	..	..	..	0·03	0·01	0·04	..	0·18
	30	..	..	0·01	0·01	..	..	0·02	0·01	..	..	..	..	0·13
	31	..	0·03	0·02	..	..	..	..	0·05	..	0·03	..	0·02	0·20

Total fall during the month 33·19

FALL OF RAIN. (By Newman's Gauge.)

	Bombay Mean Time.	4h·12	5h·12	6h·12	7h·12	8h·12	9h·12	10h·12	11h·12	12h·12	13h·12	14h·12	15h·12
	Gottingen Mean Time	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
OCTOBER, 1846.	1	..	..	..	..	..	..	..	..	..	..	..	..
	2	..	..	..	..	..	..	..	..	..	..	..	..
	3	..	..	..	..	..	..	.	..	..	..	..	..
	4	..	..	..	0·01	..	..	..	..	..	..	..	..
	5	..	..	..	..	..	..	..	..	..	..	..	..
	6	..	..	..	..	..	..	..	..	..	..	..	..
	7	..	..	..	..	..	..	..	..	..	..	..	..
	8	..	..	..	0·02	0·09	0·29	..	0·02	0·02	..	0·24	..
	9	..	..	..	..	0·01	0·06	0·08	0·08	0·02	..	..	..
	10	..	..	..	..	..	..	..	..	..	..	..	..
	11	..	..	..	..	..	..	..	..	..	..	..	..
	12	..	..	..	..	..	..	..	..	..	..	..	..
	13	..	..	..	..	..	..	..	..	..	..	..	..
	14	..	..	..	..	..	..	..	..	..	..	..	..
	15	..	..	..	..	..	..	..	..	..	..	..	..
	16	..	..	..	..	..	..	..	..	..	..	..	..
	17	..	..	..	..	..	..	..	..	..	..	..	..
	18	..	..	..	..	..	..	..	..	..	..	..	..
	19	..	..	..	..	..	..	..	..	..	..	..	..
	20	..	..	..	..	..	..	..	..	..	..	..	..
	21	.	..	..	..	..	..	..	..	..	..	..	..
	22	..	..	..	..	..	..	..	..	..	..	..	..
	23	..	..	..	..	..	..	..	..	..	..	..	..
	24	..	..	..	..	..	..	..	..	..	..	..	..
	25	..	..	..	..	..	..	..	..	..	..	..	..
	26	..	..	..	..	..	..	..	..	..	..	..	..
	27	..	..	..	..	..	..	..	..	..	..	..	..
	28	..	..	..	..	..	..	..	..	..	..	..	..
	29	..	..	..	..	..	..	..	..	..	..	..	..
	30	..	..	..	..	..	..	..	..	..	..	..	..
	31	..	..	..	..	..	..	..	..	..	..	..	..

FALL OF RAIN. (By Newman's Gauge.)

Bombay Mean Time.		$16^{h}\cdot12$	$17^{h}\cdot12$	$18^{h}\cdot12$	$19^{h}\cdot12$	$20^{h}\cdot12$	$21^{h}\cdot12$	$22^{h}\cdot12$	$23^{h}\cdot12$	$0^{h}\cdot12$	$1^{h}\cdot12$	$2^{h}\cdot12$	$3^{h}\cdot12$	Sums.
Gottingen Mean Time.		12^{h}	13^{h}	14^{h}	15^{h}	16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}	
OCTOBER, 1846.	1	..	..	..	..	..	..	..	..	..	..	..	..	..
	2	..	..	..	..	..	..	..	..	..	..	..	..	..
	3	..	..	..	..	..	..	..	..	..	..	..	..	..
	4	..	..	..	..	..	..	..	..	..	..	..	..	0·01
	5	..	..	0·05	0·01	..	..	..	..	..	..	..	..	0·06
	6	..	..	..	..	..	..	..	..	..	..	..	..	..
	7	..	..	..	..	..	..	..	..	..	..	..	..	..
	8	0·01	0·02	..	..	..	..	..	..	..	..	..	..	0·71
	9	..	..	..	..	..	..	..	..	..	..	..	..	0·25
	10	..	..	..	..	..	..	..	..	..	..	..	..	..
	11	..	..	..	..	..	..	..	..	..	..	..	..	..
	12	..	..	..	..	..	..	..	..	..	..	..	..	..
	13	..	..	..	..	..	..	..	..	..	..	..	..	..
	14	..	..	..	..	..	..	..	..	..	..	..	..	..
	15	..	..	..	..	..	..	..	..	..	..	..	..	..
	16	..	..	..	..	..	..	..	..	..	..	..	..	..
	17	..	..	..	..	..	..	..	..	..	..	..	..	..
	18	..	..	..	..	..	..	..	..	..	..	..	.	..
	19	..	..	..	..	..	..	..	..	..	..	..	..	..
	20	..	..	..	..	..	..	..	..	..	..	..	..	..
	21	..	..	..	..	..	..	..	..	..	..	..	..	..
	22	..	..	..	..	..	..	..	..	..	..	..	..	..
	23	..	..	..	..	..	..	..	..	..	..	..	..	..
	24	.	..	..	..	..	..	..	..	..	..	..	..	..
	25	..	..	..	..	..	..	..	..	..	..	..	..	..
	26	..	..	..	..	..	..	..	..	..	..	..	..	..
	27	..	..	..	..	..	..	..	..	..	..	..	..	..
	28	..	..	..	..	..	..	..	..	..	..	..	..	..
	29	..	..	..	..	..	..	..	..	..	..	..	..	..
	30	..	..	..	..	..	..	..	..	..	..	..	..	..
	31	..	..	..	..	..	..	..	..	..	..	..	..	..
											Total fall during the month			1·03

DEW POINT. (By Daniell's Hygrometer.)

Date. Observatory Mean Time.	January, 1846.				February, 1846.				March, 1846.			
	3h	9h	15h	21h	3h	9h	15h	21h	3h	9	15h	21h
1	73°·0	66°·8	69°·9	72°·0	71°·0	73°·0	71°·0	72°·1				
2	71.2	69·2	68·6	68·0	72·0	70·4	69·5	71·0	75°·0	75·1	75°·5	74°·8
3					69·0	72·0	71·0	70·0	76·2	76·0	75·5	75·7
4	75·0	71·0	71·4	67·9	73·7	74·5	67·0	69·7	76.2	74·9	74.7	72·9
5	71·2	69·8	66·3	66·5	—	72·4	66·5	66·1	77·1	70·6	73·5	71·6
6	69·4	70·5	61·0	63·1	76·0	68 5	70·7	67·4	75·6	74·8	74·6	65·0
7	65·5	63·2	—	63·2								
8	69·2	64 0	61·4	63·5	70·5	72·5	67·0	65·4	75·0	70·0	60·8	63·6
9	64·7	62·5	57·2	59·0	74·5	73·0	71·5	73·5	73·0	70·1	72·5	60·7
10					72·2	71·8	69·7	73·0	77·1	75·8	73·5	73·4
11	67·4	70·5	71·7	66·2	74·7	70·5	69·0	70·8	76·5	75·2	73·5	67·0
12	73·7	72·0	70·0	66·2	68·7	67·9	65·4	66·1	76·5	77·5	75·1	70·2
13	70·0	72·0	72·2	66·2	69·5	63·9	67·9	66·8	75·5	72·7	72·7	69·5
14	74·0	69·7	71·7	67·3								
15	66·5	64·5	71·1	69·0	66·5	69·0	70·5	69·4	64.5	64·5	65·5	51·5
16	73·9	70·2	70·5	65·2	76·0	74·6	69·5	67·8	68·0	72·2	73·9	71·5
17					66·5	76·3	73·5	71·0	74·8	68·5	71·8	72·0
18	66·5	62·5	60·0	55·5	75·1	73·3	62·5	62·8	71·8	71·5	67·0	69·0
19	71·6	71·0	61·3	63·2	77·5	68·0	68·5	61·4	69·0	71·0	71·5	72·0
20	71·8	—	—	—	65·5	68·7	65·0	62·1	74·5	69·0	71·2	72·0
21	—	—	—	—								
22	—	70·0	62·5	65·5	64·5	69·3	70·0	69·6	76·0	70 0	73·5	70·0
22	64·0	66·0	65·3	65·0	71·5	73·0	71·0	73·3	78·5	72·2	73·0	67·0
24					72·5	73·7	71·0	73·5	82·8	78·0	77·0	73·0
25	71·2	69·0	67·7	70·0	72·0	71·0	68·0	71·4	80·3	78·0	77·4	79.7
26	72·6	71·1	68·4	66·7	67·5	72·0	69·2	72·0	79·6	77·0	76·9	78·5
27	66·8	65·0	62·6	61·2	67·0	72·8	66·1	70·5	80·8	77·0	75·2	75·8
28	71·8	70·5	68·0	67·0	69·5	69·5	72·4	73·9				
29	65·0	66·0	57·0	49·0					75·0	71·0	72·8	69·6
30	68·5	67·7	69·1	68·0					72·0	72·5	74·1	75·8
31									77·5	73·5	75·4	74·0

DEW POINT. (By Daniell's Hygrometer.)

Date. Observatory Mean Time.	April, 1846.				May, 1846.				June, 1846.			
	3h	9h	15h	21h	3h	9h	15h	21h	3h	9h	15h	21h
1	76°·4	73°·5	73°·1	75°·0	82·2	80°·8	76°·9	81°·4	80°·2	81°·5	81°·5	82°·6
2	75·0	72·6	72·7	76·2					85·0	—	79·0	81·5
3	75·9	70·5	69·9	72·2	77·7	79·0	78·5	79·0	84·2	80·8	79·9	82·2
4					85·0	80.5	79·5	81·5	83·2	80·5	81·0	82·0
5	72·3	73·0	73·7	74·5	82·4	78·0	78·5	80·6	83·6	80·4	80·6	78·7
6	77·0	75·0	75·0	73·1	81·5	80·0	79·5	78·2				
7	78·0	76·9	74·9	76·9	82·8	78·5	78·8	80·5	83·5	79·0	81·4	80·6
8	75·6	74·0	74·0	74·7	81·0	77·5	77·7	80·0	82·0	80·2	79·5	81.9
9	80·3	77·2	76·5	76·5	79·0				82·5	—	—	79·9
10	80·9	76 3	75·5	76·6	81·0	80·0	79·4	80·8	80·7	78·0	78·1	79.0
11					84·2	79·5	81·4	80·2	—	—	77·2	79·2
12	79·0	77·0	76·4	77 0	82·0	78·7	77·7	82·5	80·5	—	80·0	78·2
13	81·5	76·0	77·8	80·0	83·3	82·0	81·3	80·0				
14	77·6	73·0	76·9	75·0	83·4	81·0	80·5	81·8	82·0	77·0	80·0	84·5
15	80·0	76·5	76·2	74·5	83.9	81·6	79·3	81·1	83·4	80.5	80·2	82·0
16	80·8	78·0	76·0	77·7					82·2	80·0	81·0	—
17	79·0	76·2	75·6	76·6	82·7	80·0	80·5	82·5	78·1	—	80·0	76·0
18					82·0	79·7	80·5	82·2	77·3	—	76·0	79·0
19	81·5	74·6	76·2	74·5	83·4	80·5	81·5	82·2	80·3	80·5	80·0	83·2
20	75·0	74·5	72·0	72·0	83·8	80·0	80·7	79·5				
21	74·7	73·0	73·0	73·5	82·5	79·1	80·7	81·0	81·9	78·2	80·1	80·8
22	80·5	76·5	75·5	74·0	83·5	81·0	80·7	81·0	82·7	79·7	79·5	80·7
23	78·5	80·0	76·8	82·0					82·2	79·0	78·7	78·5
24	80·3	79·0	81·0	82·4	81·5	80·0	80·9	82·5	81·4	80·0	78.0	83·0
25					82·7	—	80·2	79·9	79·7	77·5	77·0	77·5
26	82·7	81·2	70·0	67·9	82·8	80·0	81·0	81·0	79·5	78·2	77·8	78·1
27	81·7	80·0	77·9	67·5	82·7	79·0	80·5	79·0				
28	81·2	73·0	75·5	79·7	82·1	78·7	80·0	79·0	82·4	78·1	80·0	77·9
29	78·4	79·3	76·5	76·2	80·4	79·5	77·5	81·5	—	76·0	79·3	79·5
30	81·9	80·0	78·7	81.9	78·5	81·5	80·6	81·9	82·0	76·5	79·5	79·5
31												

DEW POINT. (By Daniell's Hygrometer.)

Date. Observatory Mean Time.	JULY, 1846.				AUGUST, 1846.				SEPTEMBER, 1846.			
	3h	9h	15h	21h	3h	9h	15h	21h	3h	9h	15h	21h
1	79°·0	78°·5	78°·8	79°·5					76°·3	77°·5	76°·3	78°·4
2	79·0	78·2	79.3	77·2	80°·0	78°·6	77°·5	79°·4	80·8	78·5	76·7	78·2
3	79·9	—	78·8	82·2	81·3	78·1	77·8	79·0	80·1	74·0	76·0	78·4
4					78·5	78·4	78·5	79·5	79·9	77·2	75·9	77·2
5	82·2	78·9	78·5	80·4	80·0	78·4	77·5	78·5	—	—	—	—
6	82·6	78·5	77·8	79·5	80·1	78·2	76·5	79·5	77·0	—	76·5	79·5
7	80·9	79·5	78·0	77·0	82·0	78·5	77·7	—	77·6	—	—	—
8	82·4	79·6	79·6	81·2					..	..	..	
9	81·9	80·0	78·9	82·2	77·0	77·9	77·0	79·0	..	..	..	..
10	81·8	79·2	79·8	79·5	81·2	77·5	77·7	79·7	..	..	..	..
11					81·0	77·0	78·6	79·0	..	..	..	..
12	79·0	81·0	81·2	79·2	79·0	78·0	76·7	78·4	..	..	..	..
13	81·5	80·5	—	79·3	80·4	79·4	76·0	77·2	..	..	..	..
14	81·8	80·5	79·4	79·6	82·0	78·2	77·0	76·0	..	..	..	..
15	81·0	—	—	78·0					..	..	..	..
16	76·9	77·0	—	—	79·0	77·7	76·0	79·7	..	..	..	..
17	—	77·0	—	76·2	79·8	78·3	76·8	78·6	..	..	..	..
18					79·0	76·5	76·4	78·4	..	..	..	..
19	75·5	77·1	76·6	77·9	77·0	79·0	77·5	80·0	..	..	..	..
20	76·7	77·6	77·0	—	80·0	78·4	76·6	75·4	..	..	..	..
21	77·5	77·5	78·4	78·0	81·7	78·5	77·7	78·5	..	..	..	..
22	79·1	78·5	75·7	81·5					..	..	..	..
23	80·5	78·9	78·6	80·3	77·5	77·3	76·3	77·7	..	..	..	..
24	75·4	77·1	78·3	78·0	78·4	77·2	76·0	80·5	..	..	..	..
25					79·4	77·1	76·1	80·0	..	..	..	..
26	78·0	77·9	78·4	77·6	77·5	76·6	75·9	76·8	..	..	..	..
27	78·9	77·2	77·9	79·4	77·2	76.4	73·7	79·1	..	..	..	..
28	78·4	77·4	78·8	77·7	79·9	77.5	—	—	..	..	..	..
29	77·8	78·7	77·0	77·9	—	—	75·5	77·7	..	..	..	..
30	77·4	77·9	76·5	79·2					..	..	..	..
31	78·2	78·2	77·4	78·2	75·0	76·5	74·5	76·5	..	..	..	..

BLACK BULB THERMOMETER OPEN TO THE SUN.

Bombay Civil Time.		Morning.						Noon.	Evening.				
		6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}		1^{h}	2^{h}	3^{h}	4^{h}	5^{h}
JANUARY, 1846.	1												
	2												
	3												
	4												
	5	—	79°·0	96°·0	96°·0	107°·0	110°·0	117°·5	113°·6	103°·0	104°·0	96°·8	—
	6	—	77·0	88·0	94·5	108 0	114·5	115·0	116·0	113·0	113·0	108·3	83°·0
	7	—	73·4	100·0	107·0	112·0	119·6	118·5	111·0	108·0	100·0	102·0	92·0
	8	—	68·0	88·0	98·0	108·6	111·9	125·0	118·0	112·0	106·0	100 0	95·0
	9	—	73·0	93·0	94·4	104·0	109·0	119·0	111·0	102·0	100·0	96·0	78·0
	10	—	74·8	93·0	106·0	113·5	116·0	118·0	112·0	106·0	104·0	—	—
	11	—	—	—	—	—	—	—	—	—	—	98·0	83·5
	12	—	74·0	99·5	107·0	111·0	113·0	113·0	110·0	107·0	118·0	110·0	97·5
	13	—	75·0	95·8	106·0	111·0	111·0	117·0	118·8	112·0	116·0	108·0	95·0
	14	—	72·0	94·9	102·0	109·0	112·0	122·0	118·0	109·2	107·6	106·0	100·0
	15	—	80·9	101·0	109·0	109·0	118·0	131.0	126·0	115·0	115·0	109·0	100·0
	16	—	78·0	97·2	104·8	115·0	119·0	119·0	116·0	119·0	115·0	105·0	100·0
	17	—	75·7	95·5	109·0	109·0	116·0	122·5	115 0	112·0	116·0	—	—
	18	—	—	—	—	—	—	—	—	—	—	106·0	93·9
	19	—	75·9	99·9	106·8	115·0	117·0	115·0	111·0	119·8	116·0	110·0	95·7
	20	—	76·0	100·0	106.0	111·0	116·5	118·0	117·0	116·0	116·0	102·0	98·2
	21	—	75·0	99·9	107·0	110·0	111·0	112·5	110·0	110·0	106·0	100·6	93·2
	22	—	74·2	97·0	104·0	107·0	113·0	114·0	113·0	112·0	112·8	110·0	97·0
	23	—	74·0	102·0	108.0	115·0	116·0	116·0	118·0	107·0	116·0	113·0	100·1
	24	—	71·0	99·5	106·0	110·0	113·0	108·3	109·0	106·0	113·0	—	—
	25	—	—	—	—	—	—	—	—	—	—	96·0	87·9
	26	—	—	—	—	106·0	101·0	—	—	106 0	101·0	103·4	92·0
	27	—	76·0	95·9	104.0	105·0	110·0	110·0	108·0	107·0	102·0	108·0	96·2
	28	—	76·0	95·7	104·0	112·0	116·8	110·0	111·0	111·0	115·0	108·0	97·0
	29	—	74·0	97·3	107·0	111·0	113·0	113·0	107 0	107·0	101·0	106·0	93·9
	30	—	75·0	98·0	105·6	113·0	122·0	114·0	108·0	115·0	110·0	113·0	98 0
	31	—	—	96·0	105·0	111·6	114·0	114·0	112·0	112·0	110 0	—	—

Note.—During this month the Sun was generally clear. Observations may therefore be said to be free of any effect from clouds, which were occasionally seen in the horizon, and only sometimes scattered throughout the sky.

BLACK BULB THERMOMETER OPEN TO THE SUN.

Bombay Civil Time.		Morning.						Noon.	Evening.				
		6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}		1^{h}	2^{h}	3^{h}	4^{h}	5^{h}
FEBRUARY, 1846.	1	—	—	—	—	—	—	—	—	—	—	108·0	—
	2	—	82°·0	97°·8	105°·0	112°·0	112°·0	113°·0	113°·8	108°·0	108°·0	108·0	96°·0
	3	—	83·9	102·0	107·0	111·0	117·0	110·0	112·0	110·0	107·0	98·5	95·0
	4	—	80·0	97·0	105·0	109·0	118·0	110·0	107·6	108·0	103·0	97·6	94·0
	5	—	77·0	102·0	110·0	113·0	115·0	116·4	112·8	106·0	106 0	106·0	95·7
	6	—	77·0	103·9	108·0	109·0	112·0	128·0	120·0	119·8	109.0	105·6	100·0
	7	—	80·0	95·3	107 0	108 0	116·0	121·0	124·0	114·4	113·0	—	—
	8	—	—	—	—	—	—	—	—	—	—	108·0	97·9
	9	—	81·2	100·0	109·0	110·0	110·0	113·0	116·0	113·6	110·0	102·0	96·0
	10	—	80·0	87·7	101·0	105·0	117·0	118·4	114·0	111·6	103·6	103·0	90·0
	11	—	—	—	—	—	113·0	113·0	116·8	119·0	110·9	100·0	93·7
	12	—	78·2	105·6	108·0	111·0	—	113·8	110·0	108·8	105·0	102·8	96·0
	13	—	80 8	100·0	105·0	106·0	112·0	114·0	110·0	104·0	103·0	102 0	91·7
	14	—	82 0	93·2	112·0	110·0	112·0	112·0	108·0	108·0	104·0	—	—
	15	—	—	—	—	—	—	—	—	—	—	107·2	92·0
	16	—	80·0	86·2	92·0	108·0	116·0	120·0	120·8	129·0	108·0	101·0	93·8
	17	—	87·0	104·0	111·0	118·0	118·8	123·0	127·0	127·0	125·6	106·0	100·0
	18	—	88·0	107·8	117·0	122·0	125·0	125·0	120·4	112·4	109·0	104·0	100·6
	19	—	86·4	106·0	116·0	—	—	—	—	—	—	104·0	98·0
	20	—	—	—	115·0	116·0	114·0	110·0	107·6	109·0	106 0	104·6	98·5
	21	—	83·0	104·0	116·0	118·8	116·0	114·0	112·8	113·0	112·0	104·2	100·0
	22	—	84·0	100·4	109.0	112·0	115·4	113·0	114·0	115·4	104·6	106·2	92·0
	23	—	80·8	103·2	111·0	113·6	117·0	113·0	114·0	107·0	105·0	101·0	97·2
	24	—	83·0	95·2	106·0	113·0	120·0	117·0	111·0	109·0	106·8	101·0	93·0
	25	—	86·0	102·2	110·0	114·0	115·4	118·0	112·0	117·0	110·0	—	—
	26	—	—	—	—	—	—	—	—	—	—	108·0	100·0
	27	—	84·0	102·0	109·8	112·0	114·0	120·8	114·0	110·8	106·0	102·0	100·0
	28	—	82·7	102·0	111·0	113·0	115·0	119.0	116·0	112·0	112·5	—	—
	29												
	30												
	31												

Note.—This month was not so clear as the last; the appearance of the sky was sometimes hazy: light fleecy clouds prevailed for some time. The observations may be considered as not much affected by the clouds.

BLACK BULB THERMOMETER OPEN TO THE SUN.

	Bombay Civil Time.	MORNING.						Noon.	EVENING.				
		6^h	7^h	8^h	9^h	10^h	11^h		1^h	2^h	3^h	4^h	5^h
MARCH, 1846.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	—	—	—	—	—	—	—	—	—	—	110°0	100°0
	3	—	85°0	102°0	104°0	116°2	116°0	117°0	116°0	120°0	118°4	110·0	98·0
	4	—	clds 80·0	92·0	106·0	110·0	110·0	112·2	111·0	112·0	113·0	109·0	96·0
	5	—	80·0	clds 100 0	clds 109·8	clds 110 0	clds 116·0	112·0	112·0	118·0	112·0	109·0	99·0
	6	—	84·0	101·0	108·0	haze 108·0	110·0	114·8	113·0	117·0	114·0	109·0	98·0
	7	—	86·0	102·0	110·0	117·8	118·0	117·0	116·4	120·0	118·0	—	—
	8	—	—	—	—	—	—	—	—	—	—	100·0	103·6
	9	—	89·6	101·0	114·0	114·8	116·0	116·0	112·0	110·0	108·8	106·8	96·0
	10	—	86·5	104·0	105·0	116·0	110·0	116·0	108·0	104·0	103·0	99·0	91·0
	11	—	—	106·0	112·0	118·0	112·0	114·0	106·0	108·8	108·8	105.0	clds 90·0
	12	—	mist 86·0	101·0	114·0	—	—	119·0	116·0	115·0	112·0	107·0	clds 88.0
	13	—	haze 85·0	101·0	110·8	112·0	115·8	119·0	106·8	106·0	103.0	105·0	95·0
	14	—	90·8	—	108·0	115·8	117·0	115·0	115·0	109·0	108·0	—	—
	15	—	—	—	—	—	—	—	—	—	—	105·0	93·0
	16	—	—	haze 92·0	haze 103·0	haze 112·0	120·0	115·0	118·0	116·0	108·0	102·0	91·0
	17	—	mist 85·0	102·0	104·0	110·0	115·8	112·0	110·0	118·0	116·0	114·0	102·0
	18	—	90·0	104·0	108·0	110·0	113·0	haze 111·0	105·0	112·0	109·0	105·0	94·0
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	—	88·0	96·0	110·0	112·0	115·0	116·0	105·0	112·0	106·0	104.0	90·6
	21	—	84·0	102·8	110·0	clds 112·0	113·8	115·8	102·0	109·0	109.0	—	—
	22	—	—	—	—	—	—	—	—	—	—	112·0	99·0
	23	—	89·6	102·8	111·8	115·0	st.wd 109·8	114·0	106·0	114·0	118·0	115·0	97·0
	24	—	94·0	106·8	112·0	114·0	brze 112·0	117·0	113·8	110·0	110·0	108·0	95·0
	25	—	91·0	105·0	111·0	116·0	120·0	117·0	110·0	110.0	110·0	105·0	clds 89·0
	26	—	haze 91·0	haze 94·4	haze 104·0	haze 108·0	haze 112·0	haze 114·0	111·0	109·0	113·0	—	—
	27	—	haze 91·8	106·8	109 5	112·0	114·0	112·0	115·0	112·0	114·0	105·0	96·0
	28	—	haze 94·8	haze 105·0	108 0	111·0	115·0	120.0	116·0	114·0	115·0	—	--
	29	—	—	—	—	—	—	—	—	—	—	110·0	99·8
	30	—	91·0	100·5	102·0	116·0	116·0	117·2	116·0	118·0	118·0	115·0	99·8
	31	—	92·0	106·0	110·0	117·0	117·2	116·0	118·0	118·0	116·8	111·4	103·0

Note.—This month was more cloudy than the last. The number of hazy days was increased: dense fleecy clouds prevailed for some time. The horizon was always either misty or cloudy. Where these clouds were thought to affect the Thermometer, those observations are marked with the clouds that prevailed at the time on or near the sun.

BLACK BULB THERMOMETER OPEN TO THE SUN.

	Bombay Civil Time	MORNING.						Noon.	EVENING.				
		6^h	7^h	8^h	9^h	10^h	11^h		1^h	2^h	3^h	4^h	5^h
APRIL, 1846.	1	—	—	—	—	—	118°0	125°2	126°0	112°0	113·0	113·1	101°0
	2	--	91°7	—	—	—	—	—	117·6	113·0	110·0	112·0	102·8
	3	—	f⌒i 91·0	97°0	∖i 106°0	∖i 117°2	∖i 117·0	117·6	114·0	117·0	109·0	108·0	101·0
	4	—	⌒i 90·0	⌒i 98 0	∖i 107·0	∖i 118·0	116·0	118.0	121·0	111·6	109 0	—	—
	5	—	—	—	—	—	—	—	—	—	—	109·0	98·5
	6	—	∖i 95·0	107·0	∖i 108·0	111·8	124·0	115·4	123·0	109·0	107·0	105·0	96.0
	7	—	97·0	110 0	118·0	118·0	115·9	120·0	119·0	112·0	106·0	103·0	99·0
	8	--	⌒i 92·8	113·0	110·0	119·4	120·6	121·2	123·4	116·0	111·4	106·0	101·8
	9	—	98·8	109·0	114·8	—	108·0	115·8	115 6	110·0	108·0	104·0	96·5
	10	—	100·8	116·8	clds 120·0	127·8	118·0	125·0	120·0	107·0	—	—	—
	11	—	98·8	111 8	114·0	116·0	114·8	116·0	117·6	117·6	110·4	—	—
	12	—	—	—	—	—	—	—	—	—	—	100·0	—
	13	—	100·6	113·0	114·8	117·8	118·0	117 0	114·0	107·6	114·0	110·0	105·0
	14	—	—	108.8	—	clds 110·0	clds 114·0	120·0	117·2	111·6	109·0	109·6	100·5
	15	—	98·8	106·0	108·0	118·0	116·0	119·2	119·0	114·0	107·0	116·0	105·0
	16	==	94·4	102·5	112·0	117 8	118·0	123·0	124·0	115·0	118·0	114·0	105·6
	17	—	101·0	116·0	—	116·0	117·8	120·0	118·0	113·0	113·0	112·6	104·8
	18	—	104·8	113·6	118·0	118·0	122·2	121·0	117·2	109·0	107·6	—	—
	19	--	—	—	—	—	—	—	—	—	—	98·0	93·0
	20	—	101·0	109·0	116·0	120·0	120·8	125·8	117·6	111·6	105·0	101·0	96·0
	21	—	97·0	109·0	116·0	118.0	121·8	114·0	111·6	109·0	112·0	107·0	98.0
	22	—	96·5	106·8	116·8	117·2	116·0	119·4	111·0	112·0	118·0	117·2	106·8
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	—	—	109·0	118·0	124·0	120·0	—	clds 124·0	120·0	clds 110·0	106·4	99·6
	25	—	105·0	115·0	118·0	118·0	118·0	124·4	119·0	111·0	112·0	—	—
	26	—	—	—	—	—	—	—	—	—	—	105·0	99·0
	27	—	93·0	116·8	120·4	121·8	123·0	125·2	123·0	115·6	118·0	115·4	106·0
	28	—	104·8	116·8	126·0	128·0	125·4	122·0	115·6	117·0	119·2	116.4	106·0
	29	—	105·0	110·0	115·8	116·2	120·0	122·0	119·0	110·0	108·0	104·4	98·8
	30	—	103·0	116·4	122·2	125·8	127·4	124·0	119·4	115·0	116·0	111·0	100·4
	31												

Note.—This month was less hazy, but more cloudy than the last month. ∖i and light and dense fleecy clouds were the prevailing clouds. Observations that seemed to be affected a little by these clouds are marked with the clouds that prevailed at that time on or near the Sun; but those that were considered to be affected very much were dropped.

BLACK BULB THERMOMETER OPEN TO THE SUN.

Bombay Civil Time.		Morning.						Noon.	Evening.					
		6h	7h	8h	9h	10h	11h		1h	2h	3h	4h	5h	6h
MAY, 1846.	1	—	106°0	116·4	124·8	124·8	126·0	120·0	117·4	115°0	116°0	106°0	98·4	—
	2	—	105·0	116·0	122·0	122·0	123·0	128·6	124·0	118·0	118·0	—	—	—
	3	—	—	—	—	—	—	—	—	—	—	110.4	105·6	—
	4	—	106·9	116·4	124·0	122·0	127·8	128·8	123·0	113 0	111·6	110·0	104·0	—
	5	—	106·0	116·8	125·0	haze123·0	123·0	126·0	123·0	116·0	124·0	109·0	102·4	—
	6	—	106·4	118·0	122·0	haze124·0	ʽi 124·0	125·0	123·0	114.0	112·0	115·6	106·4	—
	7	—	clds 101·0	clds 103·0	haze117·8	haze120·0	haze122·0	128·0	121·0	109·6	108·4	104·0	99·0	—
	8	—	haze108.0	ʽi 114·0	ʽi 122·0	ʽi 122·0	ʽi 124·0	126·0	124·0	113·0	114·0	109·0	100·4	—
	9	—	108·0	haze115·0	haze118·0	haze123·8	124·0	125·0	124·0	—	104·0	—	—	—
	10	—	—	—	—	—	—	—	—	—	—	113·0	haze 97·0	—
	11	—	clds 102·0	clds 113·0	—	120·0	124 0	122·0	120·0	111·0	105·0	103·0	100·0	—
	12	—	clds 108·0	haze116·8	haze124·0	clds 124·0	123·8	127·8	122·0	117·4	112·0	116.0	105·0	—
	13	—	clds 108·0	—	haze126·8	—	—	115·0	123·0	110·0	113·0	110·0	98·8	—
	14	—	—	clds 92·4	—	—	—	—	—	—	—	—	—	—
	15	—	—	—	—	—	—	—	—	—	—	—	101·0	—
	16	—	109·0	118·5	120·0	118·0	120·0	120·2	123·0	116·0	114·0	—	—	—
	17	—	—	—	—	—	—	—	—	—	—	107.6	102·0	—
	18	—	ʽi 100·0	haze110·0	haze114·0	haze116·4	haze124·8	128·0	—	117·2	—	—	haze 98·0	—
	19	—	ʽi 98·9	clds 100·0	ʽi 114·0	clds 122·0	haze124·8	126·0	122·0	116·6	111·0	106·0	clds 100·0	—
	20	—	—	—	—	—	—	—	—	—	—	haze108·0	haze100·8	—
	21	—	—	haze111·0	ʽi 118·0	ʽi 120·0	haze121·2	122·0	122·0	114·0	112·8	106·8	ʽi 99·0	—
	22	—	ʽi 108·0	—	ʽi 121·2	ʽi 123·0	ʽi 124·0	120·0	116·0	114·0	113·8	108·0	ʽi 99·6	—
	23	—	—	—	—	haze123·0	haze124·0	124·2	123 2	120·0	114·8	—	—	—
	24	—	—	—	—	—	—	—	—	—	—	106·8	100·0	—
	25	—	ʽi 108·0	116·0	122·0	123·2	121·8	123·0	116·0	115·4	108 0	116·0	ʽi 114·0	—
	26	—	—	ʽi 106·5	ʽi 113·0	—	ʽi 117·2	—	—	—	—	110·0	—	—
	27	—	109.0	116·8	—	ʽi 124·0	clds 127·0	122·0	116·0	118·0	114·0	113·0	—	—
	28	clds 86·8	clds 98·0	haze111·6	haze118·4	haze122·4	haze122·8	haze124.0	123·0	116·0	117·0	112·0	ʽi 105·4	ʽi 92·5
	29	clds 86·6	clds 104·8	haze114·6	haze118·0	haze122·0	haze126·0	123·2	125·4	120·0	119·0	117·0	109·0	90·0
	30	—	—	—	—	—	—	—	—	—	—	—	—	—
	31	clds 86·0	ʽi 109·0	117·6	clds 126·0	123·0	126·0	127·8	122.0	118·0	120·0	—	—	—

Note.—Many observations were lost in this month by the increasing number of dense fleecy clouds, which sometimes changed into Nimbi obscuring the whole of the sky and frequently the Sun. Those observations that were not much affected, are marked by the names of clouds that prevailed at those times on or near the Sun.

BLACK BULB THERMOMETER OPEN TO THE SUN.

Bombay Civil Time.		Morning.						Noon.	Evening.						
		6h	7h	8h	9h	10h	11h		1h	2h	3h	4h	5h	6h	7h
JUNE, 1846.	1	—	—	—	—	—	—	—	—	—	—	110°0	104·4	93°0	—
	2	—	—	99°0	—	110°0	106°0	115°4	116°0	114°0	113°0	100·0	104·0	94·0	86°0
	3	89°0	95°0	100·0	105°0	113·2	112·0	114·0	114·8	114·8	110·0	112·8	106·0	94·4	86·4
	4	88·0	86·5	102·0	104·0	100·0	116·0	117·0	112·0	112·0	108·0	107·6	105·0	89·6	86·4
	5	85·8	87·0	92·8	104·6	104·0	115·2	115·2	106·0	117·6	111·6	111·0	100·0	89·0	86·4
	6	88·0	100·0	110·0	112·4	115·0	122·0	118·0	117·4	118·0	117·0	—	—	—	—
	7	—	—	—	—	—	—	—	—	—	—	105·0	104·0	94·0	88·4
	8	88·0	90·4	—	—	90·4	90·8	100·0	95·0	102·0	111·8	108·0	101·0	94·4	86·0
	9	85·0	90·8	98·0	101·8	105·0	116·0	114·0	111·8	100·0	92·8	90·0	89·0	88·4	86·4
	10	84·0	89·0	89·0	87·0	98·0	105·0	110·0	119·4	116·0	106·0	94·0	90·0	86·0	84·0
	11	82·0	83·0	—	—	—	92 6	94·0	—	—	—	—	—	—	—
	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	14	—	—	—	—	—	—	—	—	—	—	98·0	90·4	87·0	84·4
	15	84·0	92 4	101·0	104·0	106·0	108·0	104·2	106·4	114·4	113·0	112·0	99·6	88·0	86·0
	16	85.0	91·6	90·0	106·0	100·4	107·0	105·8	118·0	95·0	—	—	—	—	—
	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	19	—	—	83·6	85·0	92·0	88·0	—	—	—	—	—	90·0	86·0	83·0
	20	81·[illegible]	89·0	95·0	107·8	108·0	112·0	111·0	112·0	116·0	101·0	—	—	—	—
	21	—	—	—	—	—	—	—	—	—	—	—	86·0	—	—
	22	—	90·5	96·0	106 0	110·0	110·0	110·2	110·8	116·0	109·6	99·6	98·0	88·8	84·0
	23	—	86·0	90·0	106·0	109·0	109·0	110·8	122·0	116·0	92·0	—	90·0	88·0	—
	24	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	25	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	—	—	—	—	—	—	—	—	—	—	—	—	84·0	—
	27	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	28	—	—	—	—	—	—	—	—	—	—	103·0	—	—	—
	29	—	84·0	91·0	80·0	88·8	96·0	94·0	—	—	92·0	—	—	86·0	—
	30	—	—	—	90·0	95·8	—	106·0	115·0	107·0	96·6	—	—	—	—
	31														

Note.—In this month the Monsoons regularly set in, and the appearance of the sky is so much altered that it is very seldom that there is any hope of having the Sun clear even for a short time. The above observations must not therefore be considered as free from the effect of clouds, but on the contrary, taken always with the face of the Sun obscured by either Nimbi or dense fleecy clouds. Observations, when it was raining, were rejected.

BLACK BULB THERMOMETER OPEN TO THE SUN.

Bombay Civil Time.		Morning.						Noon.	Evening.						
		6^h	7^h	8^h	9^h	10^h	11^h		1^h	2^h	3^h	4^h	5^h	6^h	7^h
JULY, 1846.	1	82°4	83°0	85·0	90°0	96°0	100·0	95·8	—	96°0	—	—	84·8	83°6	81°0
	2	—	—	—	85·8	86·0	86·8	—	—	—	—	—	—	—	—
	3	—	—	—	—	—	—	—	—	—	—	—	86·0	83·0	82·0
	4	83·0	86·8	98·0	102·6	102·0	110·0	—	103°0	111·4	98°0	—	—	—	—
	5	—	—	—	—	—	—	—	—	—	—	100°2	98·0	87·5	84·0
	6	83·0	94·0	100·4	108·4	112·0	114·4	107.0	105·0	117·4	111·0	106·8	89·0	86·0	—
	7	83·0	89·9	86·4	86·0	103·8	110·0	109·4	115·4	107·6	96·0	92·0	86·4	84 8	84·0
	8	82·8	—	93·0	92·0	92·0	105·8	114·0	117·0	113·0	98·0	95·4	90·4	86·0	84·0
	9	82·7	92·0	92·0	112·0	116·0	119·8	110·0	116·0	122·0	114·0	110.0	108·0	88·0	86·0
	10	82·4	88·0	98·0	106·0	116·0	120·2	118·6	125·0	113·0	114·2	101·4	94·8	87·0	86·0
	11	83·6	95·0	108·4	108·0	109·0	118·0	110·0	118·2	113·0	104·4	—	—	—	—
	12	—	—	—	—	—	—	—	—	—	—	89·8	88·0	86·4	85·0
	13	—	—	—	—	90·8	114·0	112·0	112·0	97·0	102·0	92·0	86·4	86·0	84·0
	14	—	80·0	82·8	—	91·2	101·8	85·0	—	86·0	97·4	98·0	88·4	85·0	82·6
	15	81·0	88·8	89·6	106·8	94·0	—	—	—	—	—	—	82·8	—	—
	16	—	—	—	—	98·0	92·0	97·8	100·6	—	—	—	—	—	—
	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	21	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	22	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	25	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	27	—	—	—	—	—	101·0	93.0	97·4	92·0	—	—	—	—	—
	28	80·7	83·0	84·0	89·0	90·2	105·8	98·0	91·6	82·0	80·0	86·4	85·6	—	—
	29	—	—	—	—	—	—	—	—	—	—	—	82·6	80·6	80·0
	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	31	—	82·6	—	—	—	—	—	—	—	—	100·0	—	—	—

Note.—This month is also cloudy and rainy. The remark of the last month well serve for the observations of this.

BLACK BULB THERMOMETER OPEN TO THE SUN.

Bombay Civil Time.		Morning.						Noon.	Evening.						
		6^h	7^h	8^h	9^h	10^h	11^h		1^h	2^h	3^h	4^h	5^h	6^h	7^h
AUGUST, 1846.	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2	—	—	—	—	—	—	—	—	—	—	98°0	94°4	84°4	82°0
	3	—	85°6	91°6	95°0	109°8	106°0	109°8	111°0	112°0	103°4	83·4	87·4	—	—
	4	80°0	84·0	92·0	108·0	102·6	112·0	110·0	111·6	117·0	94·0	92·8	97·0	—	—
	5	—	82·6	91·6	102·0	104·0	86·0	—	107·2	106·6	95·0	97·0	90·0	84·4	80·6
	6	80·0	83·0	83·0	94·0	102·2	112·0	110·0	110·0	108·6	108·0	104·4	92·0	86·0	83·2
	7	81·0	82·0	—	98·4	100.4	106·0	104·0	108·0	105·0	100·0	90·8	86·0	84·0	79·4
	8	80·0	82·0	87·0	90·0	101·0	110·8	108·0	110·0	114·0	90·0	—	—	—	—
	9	—	—	—	—	—	—	—	—	—	—	96·0	96·0	84·0	80·4
	10	80·0	84·7	84·0	88·0	93·8	102·0	—	110·0	110·0	106·0	90·0	86·0	84·0	82·0
	11	80·0	84·4	99·6	107·0	90·6	107·4	112·0	112·8	111·2	110·0	105·6	88·0	84.0	82·4
	12	82·0	—	—	96·0	96·0	106·0	107·2	100·0	99·0	85.4	80·4	—	—	—
	13	—	—	—	97·8	93·0	93·0	104·0	98·4	91·4	83·0	86·0	—	—	—
	14	81·0	84·0	88·0	88·8	98·0	104·0	102·6	110·0	104·0	93·0	88·4	83·0	82·6	—
	15	—	—	84·0	88·0	90·0	102·0	—	—	90·0	88·0	—	—	—	—
	16	—	—	—	—	—	—	—	—	—	—	82·6	82·0	—	—
	17	—	82·0	99·0	102·8	82·0	104·0	102·0	—	—	83·6	—	92·0	82·4	80·0
	18	79·0	83·0	94·0	96·0	91·8	—	88·0	94·0	86·0	85·4	89 6	83·0	82·4	81·0
	19	81·0	—	84·0	90.0	88·0	102·0	97·8	—	90·0	87·0	87·6	84·4	—	81·0
	20	80·0	84·0	88·0	91·6	96·6	100·8	102·0	—	111.8	91·0	86·0	82·8	—	81·0
	21	79·0	81·0	84·0	87·8	91·6	106·2	—	—	104·0	98·0	105·0	89·6	83·0	82·8
	22	—	91·0	86·0	90·0	82·0	98·2	106·0	112·0	114·0	109·0	—	—	—	—
	23	—	—	—	—	—	—	—	—	—	—	86·0	—	80·0	80·0
	24	78·6	84·0	—	83·0	93·8	112·6	114·8	113·0	114·0	92·0	104·0	94·0	82·4	80·0
	25	—	80·0	86·0	106·4	112·2	112·6	104·0	115·4	118·0	111·4	97·0	96·0	85·6	82·0
	26	78·8	95·0	106·0	112·0	113·0	115·0	120·0	114·0	121·0	112·0	111·0	94·0	85·0	82·0
	27	80·0	83.0	88·0	98·0	86·0	105·0	98·0	94·0	105·4	—	94.0	89·6	82.8	81·0
	28	80·8	85·0	98·0	116·0	110·0	92·2	114·4	116·0	115·6	93·0	95.0	—	—	—
	29	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	80·0	93·0	100·0	100·0	112·8	117·8	112·0	101.0	91·0	80·0	—	—	—	—
	31	—	—	—	—	—	—	—	—	—	—	90·0	90·6	83·0	82·0

Note.—The remarks of the last month will serve for this.

BLACL BULB THERMOMETER OPEN TO THE SUN.

SEPTEMBER, 1846. Bombay Civil Time.	Morning.						Noon.	Evening.							
	6h	7h	8h	9h	10h	11h		1h	2h	3h	4h	5h	6h	7h	8h
1	—	—	—	—	—	—	—	—	—	—	84°0	85·6	—	80·0	—
2	80°0	—	88°0	108°8	105°6	90°8	120°0	119°0	113°0	103°0	100·0	94·0	—	82·0	—
3	80·0	80°4	100.3	110.4	104·0	108·2	110·6	107·4	116·0	96·8	98·0	86·0	83°0	82·0	81°9
4	—	82·0	89·0	—	115·0	113·6	114·0	112·0	122·8	106·0	111·4	92·0	84·0	82·0	—
5	78·0	86·0	111·0	96·0	116·0	—	—	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	—	—	—	—	87·0	87·0	80·0	—	—
7	79·0	82·0	88 0	104·0	94·0	108·0	103·8	105·6	118·0	104·0	105·0	91·0	83·0	82·0	80·7
8	80·0	86·0	88·0	94·0	108·8	104·4	110·0	114·0	114·0	101·0	92·0	88·0	83·0	82 4	82·0
9	80·0	83·0	100·0	116·4	100·6	108·8	120·0	120·0	104·0	92·0	—	83·0	82·0	80·0	80·0
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	80·0	83·0	90·0	94·0	—	110·0	112·2	107·0	111·0	89·0	97·0	86·0	83·0	80·4	80.2
12	78·5	—	82·6	104·0	84·0	102·8	104·2	93·0	103·0	104·4	—	—	—	—	—
13	—	—	—	—	—	—	—	—	—	—	96·5	91·0	83·0	82·5	81·6
14	80·9	83·0	88·6	92·2	94·8	100·4	102·0	95·4	107·6	113·0	95·0	88·0	82·0	82.0	81·0
15	80·4	86·0	95·0	97·0	104·6	110·0	108·0	112·0	106·8	104·0	92·8	—	82·4	80·0	—
16	—	82·0	88·4	92·0	clds. 92.0	clds. 97·0	clds. 95·0	88·0	—	—	—	—	82·0	80·0	—
17	80·0	82·0	clds. 84·0	clds. 83·0	clds. 80.0	clds. 79·5	80·0	84·8	78·0	—	—	78·0	78·0	78 0	78·0
18	78·0	78·0	82·0	clds. 85·0	102·0	clds 104·0	100.0	90 8	97·2	102·0	94·0	87·4	82·0	—	—
19	77·2	88·0	94·0	clds. 80·0	100.0	clds. 98·0	clds. 100·0	—	clds. 91·0	clds. 89·0	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21	—	79·0	—	96·0	—	—	76·0	—	—	98.0	97·2	—	—	—	—
22	76·0	81·0	—	clds. 80·0	clds. 81·0	clds. 89·0	89·0	88·0	114·0	105·0	108·0	94·0	81·8	80·5	78·4
23	77·0	86·6	88·0	102·0	108·0	112·0	89·0	—	110·0	112·0	103·6	87·6	80·8	80·0	79·8
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	78·0	86·8	96·5	102·0	112·0	114·0	113·0	120·0	119 0	115·0	110·0	96·0	82·0	80·4	79·6
26	77·6	84·4	96·0	105·4	114·0	123·8	123·8	125·4	125·0	117·0	—	—	—	—	—
27	—	—	—	—	—	—	—	—	—	—	106.0	107·6	82·0	81·0	80·4
28	78·0	82·0	92·0	110·0	114·0	124·6	123·2	121·0	120·0	115·0	112·0	94·5	82·5	81·0	80·2
29	77·0	91·4	100·0	110·0	118·0	107·2	123·0	116·0	116·0	115·4	110·0	88·5	82·0	81·4	80 8
30	77·0	86·0	106·8	99·6	98·4	118·4	118·0	118·0	110·0	95·6	110·0	94·0	82·0	81·0	80·7
31															

Note.—The remark of the last month will serve for this.

BLACK BULB THERMOMETER OPEN TO THE SUN.

OCTOBER, 1846. Bombay Civil Time.	Morning.						Noon.	Evening.							
	6h	7h	8h	9h	10h	11h		1h	2h	3h	4h	5h	6h	7h	8h
1	76·0	94·0	108·0	110·0	114°0	122°0	135°2	124·6	119°4	118·0	98·6	92·0	82·0	81·4	81·0
2	76·0	99·0	108·0	112·0	124·0	114·8	123·0	119·0	114·0	111·0	114·8	92·0	81·0	80·0	79 5
3	74·5	91·0	110·0	114·8	118·0	114·2	120·0	103·0	105·8	120·0	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—	90·2	86·0	—	—	—
5	77·2	98·0	104·0	110·0	117·0	124·8	127·0	121·0	127·6	108·0	116·8	90·0	86·8	86·0	86·0
6	78·0	80·0	84·0	104·0	120·0	118·0	114·0	119·4	119 0	114·0	98·0	88·0	83·0	82·0	81·0
7	80·0	83·0	105·0	110·0	112·0	118·0	115.8	120·0	112·0	118·0	108·0	102·0	84·0	82·0	82·0
8	80·0	84·8	88·8	100·8	120·0	126·0	127·0	126·0	121·0	119·4	92·0	92·0	—	—	—
9	77·0	79·0	81·0	102·0	110·8	97·0	102·0	99 0	109.0	99·0	96·0	94·0	82·8	80·0	78·0
10	—	79.0	80·6	92·0	96·0	120·0	118·0	117·6	117·2	119·0	—	—	—	—	—
11	—	—	—	—	—	—	—	—	—	—	108·0	91·6	83·6	82·8	82·3
12	78·8	88·4	106·8	113·2	114·2	116·0	126·0	129·0	127·0	115·0	106·0	91·0	81·4	83·0	83·3
13	77·0	91·0	106·0	110·0	117·6	120·4	126·0	134·0	122·0	119·0	111·0	90·0	84·0	83·4	82·7
14	74·0	85·0	110·0	107·0	118.0	124·0	128·0	123·6	125·0	113·4	—	—	84.0	82·0	81·2
15	76·4	93·0	110·0	122·0	125·8	132·0	140·2	137·6	137·0	130·0	123·0	98·0	86 0	84·5	84·0
16	82·0	84·0	85·0	87·6	94·0	105·0	116·0	144·0	109·0	103·0	94·0	87·0	83·0	83·5	82·4
17	80·8	83·0	86·0	110·0	114·0	126·0	134·6	132·0	129·2	119·0	—	—	—	—	—
18	—	—	—	—	—	—	—	—	—	—	102·8	91·0	81·4	83·4	83·0
19	79·0	96·0	100·6	117·0	108·0	134·0	134.0	130·0	127·0	124·0	121·0	93·0	85·0	83·4	—
20	74 0	101·0	114·4	128·0	134·0	134·0	138·0	126 0	130·6	126·0	118·0	91.0	84·8	84·0	83·0
21	76·5	104·0	114·0	125·6	136·8	141·0	143·6	122·0	123·0	128·0	118·0	89·0	84 0	83·6	82·0
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	73·6	104·0	121·0	116·0	116·0	123·0	130·0	132·0	124 0	118·0	106·0	92·0	80·8	78·4	76·0
24	78·0	92·0	102·4	114·0	124·0	133·4	136·0	131·6	130·0	127·0	—	—	—	—	—
25	—	—	—	—	—	—	—	—	—	—	100·0	86·0	79·0	77·0	76·6
26	74·8	99·0	115·0	111·0	123·0	132·0	123·0	118·0	126·0	123·6	116·0	89·0	81·0	81·0	80·5
27	74·6	82·8	110·0	111.0	122·0	124·0	122·0	126·0	123·2	120·0	113·0	90·0	80·5	80·0	79·4
28	75·0	98·8	112·0	125·2	126·0	124·0	114·0	116·6	121·0	119·0	116.0	86·5	81·0	80·6	80·6
29	74·8	102·0	122·0	127·8	138·0	132·4	135·0	123 0	128·0	124·8	116·0	89·0	80·4	80·3	80·0
30	74·8	95·0	112.7	125·0	128·0	137·0	130.0	110·0	127·0	121·0	114·4	92·4	81·0	80·4	80·2
31	70·0	95·0	118·0	122·0	131 0	142·0	158·8	122·0	127 0	120·0	—	—	—	—	—

Note.—These observations may be said to be almost free from the effects of clouds.

BLACK BULB THERMOMETER OPEN TO THE SUN.

Bombay Civil Time.		Morning.						Noon.	Evening.							
		6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}		1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}
NOVEMBER, 1846.	1	—	—	—	—	—	—	—	—	—	—	111°·6	87°·0	78°·8	76°·6	74°·8
	2	72°·8	102°·0	116°·4	124°·6	128°·0	139°·0	142°·0	144°·0	134°·8	132°·0	120·0	93·0	85·0	80·6	78.0
	3	75·0	96·0	114·0	116·8	130·0	133·2	131·0	127·0	123·6	125·0	121·0	93·0	84 0	80·0	78·0
	4	76·0	101·0	105·0	122·0	118·0	132·0	130·0	136·0	125·4	120·0	114·0	90·0	82.5	80·8	80·0
	5	73·0	102·0	116·0	123·0	122·0	132·0	132·0	123·0	128·0	126·0	116·4	89·8	82·0	80·0	79·8
	6	75·0	98·0	112·0	123·8	134·0	132·0	126·0	125·4	120·0	123·0	118·4	90·0	83·0	81.0	80·6
	7	78·8	86·8	116·8	125·0	132·0	130·0	132·0	132·0	123·0	122·0	—	—	—	—	—
	8	—	—	—	—	—	—	—	—	—	—	112·0	86·0	78·8	76·0	75·8
	9	68·0	92·0	107·0	123·0	126·6	135·0	131·0	138·0	124·0	122·4	112·0	88·4	82·0	79·0	78·0
	10	74·0	96·0	112·4	118·0	123·0	126·0	140·0	142·6	130·0	121·8	115·2	88·0	82·0	81·0	80·0
	11	71·0	97·0	116·0	120·0	126·0	136·4	140·0	127·0	120·4	121·0	118·0	89·0	81·0	80·0	77·0
	12	—	90·8	113·0	115·0	128·0	131·8	130·0	142·0	138·0	128·0	122·0	89·0	82·0	80·6	78·6
	13	70·0	101·0	114·6	122·0	132·0	134·0	137·2	135·0	139·4	134 0	125.0	92·0	82·0	80·0	78·0
	14	71·0	90·4	110·0	112·0	126·0	136·2	140·0	134·0	131·0	131·4	—	—	—	—	—
	15	—	—	—	—	—	—	—	—	—	—	111·0	84·0	74°·0	73·6	74·4
	16	68 4	96·0	112·8	122·0	122·0	126·6	137·2	138·0	142·0	124·4	116·0	88·0	79·0	77·6	76·2
	17	68·0	92·6	115·0	113·0	127·0	134·0	137·0	140·0	124.0	122·0	108·0	84·0	77·0	75·0	73·0
	18	67·0	96·0	116·0	123·8	125·8	131·8	130·0	138·0	140·0	132·0	117·0	87·6	78·4	76·4	76·0
	19	68·4	92·8	108·0	116·0	120·8	134·0	130·0	138·4	127·0	124·0	110·0	86.8	78·0	76·0	76·0
	20	68·0	96·4	108·0	106·0	118·0	128·0	136·0	126·0	123·8	123·0	117·0	84·4	77·6	76·0	75·0
	21	68·0	96·4	116·0	116·0	121·0	130·0	136·0	126·0	118·0	119·0	—	—	—	—	—
	22	—	—	—	—	—	—	—	—	—	—	112·0	84·4	74·4	74·0	72·0
	22	70·0	93·0	110·0	114·0	120·0	138·0	138·6	136·0	134·0	122·6	122·0	90·0	78·0	76·0	75·6
	24	68·4	85·0	112·0	112·8	117·2	125·0	128·0	138·6	138·0	124·0	112 0	88·8	78·0	74·9	74·4
	25	67·2	94·4	112·4	106·0	110·0	112·0	124·2	139·0	120·0	121·0	119·6	84·0	76·4	75·0	74·0
	26	66·4	92·4	108·0	120·0	126·0	130·0	132·0	137·0	117·0	126·0	118·0	87·0	78·0	78·0	76·8
	27	74·0	81·0	118·0	130·0	136·0	138·0	131·0	135·0	126·0	119·0	115·4	90·0	81·0	80·8	80·8
	28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	29	74·4	93·0	117·0	118·0	124·0	134·0	128·0	126.0	117·0	120·0	—	—	—	—	—
	30	—	—	—	—	—	—	—	—	—	—	100·0	86·0	81·0	78·4	77·0
	31															

Note.—These observations may be considered as perfectly clear from the effects of clouds.

BLACK BULB THERMOMETER OPEN TO THE SUN.

Bombay Civil Time.		Morning.						Noon.	Evening.							
		6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}		1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}
DECEMBER, 1846.	1	73·0	81°·0	107°·6	110°·0	124°·0	131°·6	138°·0	130·0	128°·0	123·6	114°·0	87°·0	80·4	79°·0	77°·6
	2	71·0	92·0	102·0	106·0	130·0	134·0	127·0	129·0	126·0	123·0	116·0	88 0	80·0	79·0	78·0
	3	70·0	91·6	110·0	120·0	121·0	126·8	125·8	123·6	126·0	125 0	115·0	89·0	79·7	78·0	76·0
	4	67·0	88·7	106·8	120·0	123·0	130·0	135·0	128·0	124·0	124·0	115·0	89·0	75·5	76·8	76·8
	5	72·0	87·0	110·8	112·0	121·0	116·5	131·0	133·0	135·0	124·0	—	—	—	—	—
	6	—	—	—	—	—	—	—	—	—	—	102·0	80·0	75·5	74·0	72·4
	7	67·0	87·0	106·0	110·0	122·0	130·0	124.0	129·0	126·0	126·0	117·6	83·0	76·0	76·0	74·8
	8	72·4	91·0	110·0	114·0	120·0	132·0	140·0	123·2	124·0	124·0	118·4	93·0	82·0	80·0	78·8
	9	—	90·0	112·0	117·0	120·4	130·0	136·2	135·4	122·0	116·8	114·0	87·0	80·8	80·0	79·6
	10	72·4	90·8	109·0	117·0	122·0	131·0	123 0	126·0	122·4	122 0	118·0	80·8	80·0	79·0	78·8
	11	72·0	90·6	108·8	118·0	129·8	130·0	130·0	128·0	121·0	122·4	120·0	86·8	78·0	76·0	75·0
	12	70·7	82·0	108·8	116·0	107·0	119·8	122·0	126·0	122·0	115·0	—	—	—	—	—
	13	—	—	—	—	—	—	—	—	—	—	114·5	96·0	78·0	77·0	76·0
	14	68·0	85·0	88·0	114·0	122·0	123·8	124·0	128·0	126·0	126·0	118·0	96·0	80·0	78·4	77·6
	15	70·0	76·0	98·0	113·0	122·0	122·0	114·0	124·0	120·0	125·0	112·0	88·0	79·0	76·4	74·5
	16	70·4	87·6	102 6	118·8	126·0	132·0	138·0	128·0	125·0	124·0	114 0	85 6	80·0	78·0	76·0
	17	70·5	82·8	112·0	107·8	120·0	123·8	126·0	136·6	126·0	118·0	111·0	92·4	78·5	76·5	76·0
	18	71·0	83·0	108·0	116·4	125·0	132·0	130·0	129·0	126·0	118·0	112·4	106·0	79·6	78·0	76·0
	19	70·5	82·0	96·0	106·0	106·0	122·0	130·2	140·0	133·0	127·0	—	—	—	—	—
	20	—	—	—	—	—	—	—	—	—	—	107·0	86·0	78·0	77·0	76·5
	21	70·0	80·8	106·0	115·8	122·0	126 0	123·0	130·0	130·0	127·0	120·0	98·0	78·4	77·8	76·8
	22	70·0	81·0	106·4	116·0	118·0	131·0	134·2	134·4	129·0	124·0	116·0	93·0	78·0	77·0	76·4
	23	70·0	87·0	107·0	116·2	122·0	128·4	129·8	136·0	125·0	124·0	118·0	99·0	76·0	74·4	74·0
	24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	25	64·4	82·0	108·8	114·0	124·0	130·0	125·0	126·8	125·6	125·0	118·0	98·8	76·0	74·0	71·0
	26	64·4	76·8	102·0	110·0	120·0	124·0	127·8	135·0	124·0	124·0	—	—	—	—	—
	27	—	—	—	—	—	—	—	—	—	—	112·0	97·0	74·0	72·4	70·8
	28	64·5	77·0	102·0	110·0	123·0	128·0	134·0	140·0	140·0	126·0	122·0	106·4	78·0	76·0	74·0
	29	66·6	82·0	106·0	111·8	118·0	130·0	132·0	140·4	130·0	120·0	119·0	98·4	76·8	76·0	74·0
	30	68·4	82·0	104·0	114·0	126·0	132·0	134·0	132.0	141·0	133·4	124·0	102·0	80·0	77·0	76·4
	31	70·8	82·8	101·6	106·0	116·0	122·0	132·8	136·0	140·0	126·0	119·0	103·0	79·0	78·0	76·4

Note.—Observations may be considered as free from the effects of clouds.

BLACK BULB THERMOMETER SCREENED FROM THE SUN.

Bombay Civil Time.		Morning.						Noon.	Evening.							
		6^h	7^h	8^h	9^h	10^h	11^h		1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h
NOVEMBER, 1846.	1	—	—	—	—	—	—	—	—	—	—	92·0	85°0	78·4	76·6	75°0
	2	72°0	82°8	94°4	102°0	97·8	108°0	116°0	113°0	110°0	109°0	104·4	94·0	84·0	81·0	78·4
	3	73·0	82·4	91·0	94·0	96·0	108·0	108·0	104·4	105·6	103·6	102·0	92·8	84·0	81·0	79·0
	4	74·0	84·0	86·6	97·0	94·0	100·0	109·0	110·0	103·4	102·0	97·6	88.0	82·0	80·8	78·6
	5	72·4	85·0	99·0	103·0	98·2	102·0	108·0	102·4	107·6	106·0	101·6	88·0	81·0	80·0	79·0
	6	74·0	82·4	97·6	101·0	103·2	106·0	108.0	102·0	102·0	100·0	102·0	91·0	82·4	81·0	80·0
	7	76·8	81·0	96.0	100·0	103 2	107·0	108·2	108·0	104·0	102.0	—	—	—	—	—
	8	—	—	—	—	—	—	—	—	—	—	94·0	87·0	79·0	77·0	71·0
	9	68·0	78·8	88·0	94·0	98·0	108·0	105·0	110·0	103·4	104·4	97·0	87·0	80·0	79·6	76·0
	10	72·4	80·0	92·0	102·0	100·0	104·0	112·0	114·0	107·0	103·0	97·0	88·0	81·0	80·0	78·0
	11	71·0	92·0	92·0	93·6	96·0	104·0	111·0	105·0	102·0	102.0	101·0	91·0	83·0	81·0	79·0
	12	—	87·8	88·0	93·0	102·0	106·0	108·0	114·0	116·0	106 0	102·0	86·0	80·0	79·0	77·8
	13	69·8	82·0	96·0	108·0	102·0	102·0	110·0	110·0	114·0	109·0	103·0	88·4	80·0	78·4	77·0
	14	69·0	80·0	94·4	97·0	101·0	108·6	112·0	109·0	107·0	107·4	—	—	—	—	—
	15	—	—	—	—	—	—	—	—	—	—	93·0	85·0	76·0	74·4	74·0
	16	68·0	80·0	94·0	98·0	95·0	102·0	109·0	109·0	114·0	101·2	96·0	86·0	78·0	76·0	74·0
	17	66·4	75·6	90·0	93·0	98·2	102·8	111·0	111·0	103·0	101·0	96·0	84·0	78·0	76·0	72·0
	18	65.0	76·0	88·0	102·0	99·0	104·0	104·0	110·0	113·0	108·6	101·0	87·0	79·0	76·0	75·0
	19	67·0	78·0	89·0	92·0	94·0	98·2	108·0	110·4	102.4	99·4	92·0	85·0	76·8	76·0	75·5
	20	66·8	77·0	83·0	88·0	92·0	100·0	108·0	100·0	102·0	100·0	99·0	84·0	76·8	75·6	75·0
	21	68·4	78·0	88·0	94·4	92·0	103 0	110·8	104·0	98·0	98·0	—	—	—	—	—
	22	—	—	—	—	—	—	—	—	—	—	91·0	84·0	74·8	74·0	71·0
	23	68·4	78·0	89·0	93·0	96·0	108·0	110·0	110·0	108·0	99·0	102·0	86·0	77·6	75·6	74·0
	24	67·0	73·0	88·0	92·0	92·0	99·0	102·0	110·0	112·6	103·6	96·0	86·0	77·0	74·5	74·0
	25	65·0	76·0	87·0	88·0	89·8	92·0	99·0	110·0	101·0	98·0	100·0	82·8	76·0	75·0	74·0
	26	65·0	75·0	88·5	96.0	100·0	104·0	108·0	108.6	97·0	100·0	100·0	86·0	78·0	76·0	76·0
	27	72·6	75.0	96·8	106·0	108·4	110·6	104·0	109·0	102·0	100·0	97·0	87·0	80·0	80·0	79·6
	28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	29	72·4	78·0	96.0	100 0	100·0	106·8	108·8	101·0	98·0	97·0	—	—	—	—	—
	30	—	—	—	—	—	—	—	—	—	—	90·0	86·0	81·4	78·4	78·0
	31															

BLACK BULB THERMOMETER SCREENED FROM THE SUN.

Bombay Civil Time.		Morning.						Noon.	Evening.							
		6^h	7^h	8^h	9^h	10^h	11^h		1^h	2^h	3^h	4^n	5^h	6^h	7^h	8^h
DECEMBER, 1846.	1	71°6	80·0	88·0	91°8	97·0	104°0	108·0	106°0	104·0	102°0	98°0	86°4	80·0	78°0	76°8
	2	70·0	78·0	84·4	89·0	102·0	106·0	106·0	104·0	103·0	102·0	102·4	89·0	79·0	78·0	76·8
	3	68·8	76·0	91·0	96·0	98·0	100·0	102·0	100·0	104·0	102·4	99·0	84·0	78·4	76·8	75·2
	4	66·0	74.0	88·8	100·0	98·0	100·0	108·0	102·0	101·0	102·0	98·0	86·0	78·0	74·0	74·8
	5	70·0	76·0	90·4	94·4	94·8	96·0	108·0	108.0	112·0	100·4	—	—	—	—	—
	6	—	—	—	—	—	—	—	—	—	—	90·0	82·0	74·0	73·6	71·6
	7	64.0	74 0	87·6	90·0	96·0	105·8	106·0	107·0	104·0	101·2	98·0	86·0	76·0	74·0	74·0
	8	70·4	79 0	90·0	94·0	98·0	104·4	113·8	101·0	104·0	104·0	100·0	90·0	81·6	80·0	78·0
	9	—	80.0	94·6	96·0	98·2	108·0	109·2	108·0	103·0	97·0	96·0	88·0	78·4	78·0	78·0
	10	70·4	78·8	91·6	98·0	100·2	104·0	104·0	104·0	102·0	101·0	98·0	84·6	79·0	78·0	77·0
	11	70·4	76·0	90·8	96·0	102·0	105·0	106·0	102·0	99·0	100·0	103·0	88 0	78·0	76·0	74·0
	12	70·0	73·0	88·8	98·0	94.8	98·0	101·0	102·0	101·0	96·0	—	—	—	—	—
	13	—	—	—	—	—	—	—	—	—		93·0	87·6	76·5	76·0	74.5
	14	64·0	72·4	78·0	96·2	100·0	104·0	05·0	108·0	104·0	103·0	101·0	90·4	78·8	77·4	76·4
	15	68·0	71·0	81·6	92·4	96·0	100·0	96·2	100·0	101·0	100·0	96·0	84·5	78·0	75·6	73·0
	16	69·6	74·0	82·0	96·0	98·0	102·0	108·0	102·0	102·0	101·6	96·0	85·0	79·6	78·0	75·6
	17	69·0	74·0	86·4	92·0	94·2	96·0	98·0	107·0	106·0	98·0	96·0	84·4	78·0	76.0	74·5
	18	69·8	73·0	88.0	96·0	96·4	103·4	104·2	100·0	100·0	98·0	96·0	88·0	78·6	78·0	75·6
	19	69·0	72·8	82·8	88·0	90·0	96·0	100·2	114·0	110·0	106·0	—	—	—	—	—
	20	—	—	—	—	—	—	—	—	—	—	90·0	85·0	75·0	75·0	73·6
	21	66·5	69·0	86·7	92·0	96·8	102·0	102·2	104·0	106·0	103·2	100·0	88·0	78·0	76·0	76·0
	22	68·4	71·0	88·4	94·0	96·0	105·0	106·0	110·0	106 0	100·8	98·0	86·0	77·0	76·4	75·8
	23	68·0	72·0	86·0	92·0	92·8	98·0	98·0	105·0	100·0	99·0	98·0	87·0	75·6	73·6	72·4
	24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	25	62·4	68·4	88·4	92·0	96·0	100·0	103·0	98·0	100·0	97·0	95·4	86·0	74·8	72·6	70·4
	26	64·0	68·0	80·8	86·2	92·0	92.0	99·0	107·0	101·0	99·0	—	—	—	—	—
	27	64·8	68·0	82·5	88·2	92·2	100·0	108·8	112·0	115·0	100·0	91·0	90·0	74·0	72·0	70·6
	28	64·8	70·0	86·0	87·8	93·0	100.0	104·0	110·0	104·0	97·0	102·0	92·4	76·4	74·4	72·0
	29	66·0	73·0	84·0	88·4	96·2	102·0	103·0	111.0	113·0	112·0	97·0	87·0	77·6	74·5	74·0
	30	68·8	74·0	84·6	8 0	97·8	101·0	108·0	114.0	116·0	100·0	102·4	92·0	79·0	74·6	73·0
	31	—	—	—	—	—	—	—	—	—	—	97·0	92·4	79·0	78·0	76·0

DEW OBSERVATIONS. Weight of the Woollen Ball in Grains.

Bombay Mean Time.		Weight before experiments.	7^{h}·30	8^{h}·30	9^{h}·30	10^{h}·30	11^{h}·30	12^{h}·30	13^{h}·30	14^{h}·30	15^{h}·30	16^{h}·30	17^{h}·30	18^{h}·30
OCTOBER, 1846.	1	—	—	—	—	—	—	—	—	—	—	—	—	—
	2	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	—	—	—	—	—	—	—	—	—	—	—	—	—
	7	—	—	—	—	—	—	—	—	—	—	—	—	—
	8	—	—	—	—	—	—	—	—	—	—	—	—	—
	9	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	—	—	—	—	—	—	—	—	—	—	—	—	—
	14	20·00	20·00	20·30	21·00	21·41	22·04	21·48	21·41	21·10	21.43	21·78	22·76	23·42
	15	20·00	20·14	20·30	20·34	20·34	21·16	21·91	21·82	21·30	21·20	20·72	20·75	20 00
	16	20·00	—	—	20·00	21·70	22·04	22·70	23·30	23·30	22·80	24·17	23·70	23 80
	17													
	18	20·00	20·70	21·00	21·66	23·00	23·00	23·78	24·77	25·10	25·46	26·90	29·00	30·60
	19	20·00	20·50	20·50	20·70	21·00	23·00	23·80	23·65	23·50	24·00	25·70	26·70	27·70
	20	20·00	20·00	20·40	20 50	21·50	23·30	23·00	22·80	22·90	21·70	21·50	22·10	20·90
	21	20·00	20.70	21·05	21·30	22·84	23·36	23·00	23·20	—	—	—	—	—
	22	—	—	—	—	—	—	—	—	—	—	—	22·90	24·60
	23	20·00	21·10	23·44	25·30	27·20	28·80	30.00	31·10	32.80	33·70	34·20	34·50	34·86
	24													
	25	20·10	20·40	20·54	20·70	20·70	20·82	21·00	21.10	22·04	23·00	24·10	25·50	26·80
	26	20·00	20·34	20·43	20·56	20·83	21·04	21·00	21·00	22·00	22·70	23·20	24·83	25·06
	27	19·94	20·16	20·17	20·20	20·16	20·42	21·10	21·50	21·60	22·18	23·04	23·20	23·60
	28	19·82	20·37	20·43	20·80	21·30	21·90	21·80	22·00	21·73	22·00	22·30	22·30	21·77
	29	20·00	20·29	20·60	20·70	21·16	21·50	22·40	22·48	22·94	23·04	23·23	23·51	23·47
	30	19·86	20·47	21·00	21·00	22·00	22 40	21·50	21·40	21·70	21·74	21·84	21·80	21·20
	31													

DEW OBSERVATIONS. Weight of the Woollen Ball in Grains.

Bombay Mean Time.		Weight before experiments.	7^{h}·30	8^{h}·30	9^{h}.30	10^{h}·30	11^{h}·30	12^{h}·30	13^{h}·30	14^{h}·30	15^{h}·30	16^{h}·30	17^{h}·30	18^{h}·30
NOVEMBER, 1846.	1	19·95	20·24	20·74	21·36	21·90	22·58	22·40	22·46	22.46	21·50	21·41	21·82	—
	2	20·17	20·72	21·10	21·60	22·14	22·67	23·14	23·88	24·54	25·10	25·95	26·59	27·14
	3	20·37	21·10	21·84	22·80	23·50	24·50	25·40	25·90	26·70	27·40	27·93	28·75	29·50
	4	20·45	21·06	21 63	22·10	22·94	23·80	24·70	25·00	25·10	25·50	26·30	27·04	27·04
	5	20·40	20·84	21·40	22·00	22·97	23·60	24·00	23 84	24·10	24·93	25·10	26·10	26·30
	6	20·52	20·92	21·30	21·40	21·88	22 00	21·64	21·73	21·80	22·00	22·10	22·11	22·12
	7													—
	8	20·25	20·80	21·06	21·24	21·54	22·50	24·00	24·30	25·00	25·30	25·30	24·89	24·87
	9	20·00	20·50	21·00	20·90	21·44	21·87	22 00	22·20	22·41	22·20	23·10	22·70	22·59
	10	19·97	20·58	21·10	21·10	21·12	20·80	20·70	21·40	21·40	21·40	21·25	21·35	21·35
	11	19·80	20·80	20·30	21·20	21·80	21·70	22·40	22·70	22·40	22·36	22·12	21.50	21·58
	12	19·81	20·04	20·51	20·70	21·20	22·40	23·00	23·60	24·70	25·30	25·15	25·50	26·30
	13	19·72	20·36	21·00	21·40	21·78	21·80	21·80	22·00	22·10	22·30	22·54	22·70	22·70
	14													
	15	19·72	20·24	20·50	20·50	20·94	21·30	21·80	21·50	21·40	21·40	21·50	21·51	21·30
	16	19·70	20·46	20·90	21·78	22·50	23·38	23·70	24·60	24·90	25·04	25·44	25·20	25·41
	17	19·75	20·44	21·30	21·94	21·50	22·16	23·20	24·20	24·60	24·20	23·76	23·57	23·70
	18	19·70	20·26	20·56	21·00	20·76	20·64	21·40	21·40	21·40	21·40	21·66	21·81	21·64
	19	19·73	20·30	20·20	20·38	20·77	21·10	21·60	22·00	22·20	21·80	21·43	21·12	20·64
	20	19·60	20·22	20·58	20·78	21·60	21·50	21·70	22·00	22·40	22·90	—	21·54	21·20
	21													
	22	20·03	20·42	20·96	21·16	21·30	22·00	22·16	22·10	22·60	22·50	21·30	21·60	20·50
	23	19·96	20·60	21·26	21·70	22·10	23·10	25·10	25·70	25·10	24·74	24·00	23·57	23·20
	24	20·10	20·53	21·04	21·38	21·70	22·10	22·30	22·58	22·64	22.84	22·96	22·80	22·63
	25	19·94	20·19	20·24	20 38	20·76	22·00	21·64	21·80	21.80	22·22	21·56	21·63	21·43
	26	19·90	20·43	20·50	20·58	20·70	20·60	20·30	20·13	20·04	20·34	20·41	20·63	20·68
	27	19·87	19·87	19·97	20·30	20·46	20·70	21·00	21·84	—	—	—	—	—
	28	—	—	—	—	—	—	—	—	19·74	21·20	22·00	23·16	23·68
	29										—	—	—	—
	30	19·82	20·70	20·73	20·90	21·10	21·10	21·40	22·00	22·74	23·50	24·65	24·60	26·35
	31													

DEW OBSERVATIONS. Woollen Ball's gain of Weight in one Hour.

Bombay Mean Time.		7^h·30	8^h·30	9^h·30	10^h·30	11^h·30	12^h·30	13^h·30	14^h·30	15^h·30	16^h·30	17^h·30	18^h·30
OCTOBER, 1846.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	0·00	0·30	0·70	0·41	0·63	–0·56	–0·07	–0·31	0·33	0·35	0·98	0·66
	15	0·14	0·16	0·04	0·00	0·82	0·75	–0·09	–0·52	–0·10	–0.48	0·03	–0·75
	16	—	—	—	1·70	0·34	0·66	0·60	–0·30	–0·20	1·37	–0·47	0·10
	17												
	18	0·70	0·30	0·66	1·34	0·00	0·78	0·99	0·33	0·36	1·44	2·10	1·60
	19	0·50	—	0·20	1·20	1·10	0·80	0·15	–0·15	0·50	1 70	1·00	1·00
	20	0·08	0·32	0·10	1·00	1·80	–0·30	–0·20	0·10	1·20	0·20	0·60	–1·20
	21	0·70	0·35	0·25	1·64	0·52	–0·36	0 20	—	—	—	—	—
	22	—	—	—	—	—	—	—	—	—	—	2·90	1.70
	23	0·90	2·34	1·86	1·90	1·60	1·20	1·10	1·70	0·90	0·50	0·30	0·36
	24												
	25	0 30	0 14	0·16	00·0	0·12	0·18	0·10	0·94	0·96	1·10	1·40	1·30
	26	0·34	0·09	0·13	0·27	0·21	0·04	0·00	1·00	0·70	0 50	1·63	0·23
	27	0·22	0·01	0·03	0·04	0·26	–0·68	0·40	0·10	0·58	0·86	0·16	–0·40
	28	0·50	0·06	0·37	0·50	0·60	–0·10	0·20	–0·27	0·27	0·30	0·00	–0·53
	29	0·29	0·31	0·10	0·46	0·34	0·90	0·08	0·46	0·10	0·19	0·28	–0·04
	30	0·01	0·53	0·00	1·00	0·40	–0·90	–0·10	0·30	0·04	0·10	0·40	–0·60
	31												

DEW OBSERVATIONS. Woollen Ball's gain of Weight in one Hour.

Bombay Mean Time.		7^h·30	8^h·30	9^h·30	10^h·30	11^h·30	12^h·30	13^h·30	14^h 30	15^h 30	16^h·30	17^h·30	18^h·30
NOVEMBER, 1846.	1	0·29	0·50	0·62	0·54	0·68	0·10	0 06	0·00	0·96	0·09	0·41	—
	2	0·55	0·38	0·50	0·54	0·53	0·47	0·74	0·66	0·56	0·85	0·64	0·55
	3	0 73	0·74	0·96	0·70	1·00	0·90	0·50	0·80	0·70	1·53	0·85	0·75
	4	0·61	0·57	0·47	0·84	0·86	0·90	0·30	0·10	0·40	0·80	0·70	0·00
	5	0·44	0·56	0·60	0·97	0·63	0·40	0·16	0·26	0·83	0·17	1·00	0·20
	6	0·40	0·38	0·10	0·48	0·12	0·36	0·09	0·07	0·20	0·10	0·01	0·01
	7												
	8	0·55	0·26	0·18	0·30	0·96	1·50	0·30	0.70	0·30	0·00	0·41	0·02
	9	0.50	0·50	0·10	0·54	0·43	0·13	0·20	0·21	0·21	0·90	0·40	0·11
	10	0.61	0·52	0·00	0·02	0 32	0·10	0·70	0 00	0·00	1·25	1·38	1·38
	11	1·00	0·50	0·90	0·60	0·01	0·70	0·30	0·30	0·04	0·24	0·12	0·08
	12	0·23	0·47	0·19	0 50	1·20	0·60	0·60	1·10	0·60	0·15	0·35	0·80
	13	0·64	0·64	0.40	0·38	0·02	0·00	0·20	0·10	0·20	0·24	0·16	0·00
	14												
	15	0·52	0 26	0·00	0·44	0·36	0·50	0·30	0·10	0·00	0·50	0·01	0·21
	16	0·76	0·44	0·88	0·72	0·88	0·32	0·90	0·30	0·14	0·54	0·24	0·21
	17	0·69	0·86	0·64	0·44	0·66	1·04	1·00	0·40	0·40	0·44	0·19	0·13
	18	0·56	0·30	0·44	0·24	0·12	0·76	0·00	0·00	0·00	0·26	0·15	0·17
	19	0.57	0.10	0·18	0·39	0·33	0·50	0·40	0·25	0·40	0·37	0·31	0·48
	20	0·62	0·36	0·20	0·82	0·10	0·20	0·30	0·40	0·50	—	0·36	0·34
	21												
	22	0·39	0·54	0·20	0·14	0·70	0·16	0·06	0·50	0·10	1·20	0·30	1·10
	23	0·64	0·66	0·44	0·40	1·00	2·00	0·60	0·60	0.36	0·74	0·43	0·37
	24	0·43	0·51	0·34	0·32	0·40	0·20	0·28	0·06	0·20	0·12	0·16	0·17
	25	0·25	0·05	0·14	0·33	1·24	0 36	0·16	0·09	0·42	0 66	0·07	0·20
	26	0·53	0·07	0·08	0·12	0·10	0·30	0·17	0·09	0·30	0·07	0·22	0·05
	27	0·00	0·10	0·33	0·16	0·24	0·30	0·84	—	—	—	—	—
	28	—	—	—	—	—	—	—	—	1·46	0·80	1·16	0·52
	29												
	30	0·88	0·03	0·13	0·20	0·00	0·30	0·60	0·74	0·76	1·15	0·05	1·70
	31												

Bombay Mean Time.		DEW OBSERVATIONS. Weight of the Woollen Ball in Grains.												
		Weight before experiments.	7h·30	8h·30	9h·30	10h·30	11h·30	12h·30	13h·30	14h·30	15h·30	16h·30	17h·30	18h·30
DECEMBER, 1846.	1	19·90	20·60	21·00	21·94	22·40	22·60	22·70	22·60	23·20	23·70	23·70	23·84	23·64
	2	19·70	20·04	19.80	20·00	20·00	20·33	21·10	21·30	20·90	20·74	20·63	20·63	20·60
	3	20·00	20·00	20·00	20·10	20·10	20·20	20·00	20·20	20·43	20·70	20·70	20·76	21·04
	4	19·98	20·40	20·64	21·54	20·80	20·90	21·44	22·02	21·44	21·40	21·44	21·22	20·67
	5													
	6	19·60	20·00	20·30	20·30	20·67	20·95	20·70	21·00	20·80	20·24	20·26	20·50	20·04
	7	19·70	20·17	20·04	20·14	20·34	20·40	20·40	20·06	20·30	20·33	20·20	20·33	20·34
	8	20·00	20·82	21·44	21·90	21·60	21·50	21·04	21·00	21·20	21·40	21·80	22·42	22·90
	9	20·20	20·58	20·70	20·86	20·90	21·20	21·44	21·94	23·04	24·00	24·43	25·00	25·64
	10	20·18	20·26	20·00	20·00	20·07	20·50	20·84	21·30	21·74	21·80	21·78	22·02	21·82
	11	20·16	20·85	20·98	21·33	21·66	22·50	23·50	23·80	23·40	22·64	23·03	23·58	23·32
	12													
	13	19·90	20·10	20·00	20·10	20·24	20·30	20·20	20·14	20·10	20·24	20·14	20·10	20·10
	14	19 80	20·04	20·00	20·00	20·00	20·13	20 00	19·84	19·94	19·80	19·86	19·87	19·87
	15	19·88	20·16	20·50	20.70	21·06	21·10	21·04	21·30	21·90	22.44	22·66	23·30	23·80
	16	19·88	20·45	21·00	21·47	21·40	21·44	21·30	21·00	21·00	21·30	21·70	21·76	22 06
	17	19·94	20·66	21·06	21·37	21·03	21·36	21·40	21·44	22.00	22·10	22·03	22·16	22·28
	18	20·00	20·65	20·70	20·74	20·40	20·40	20·34	20·54	21·00	21·04	21·06	21·49	22·08
	19													
	20	19·96	20·60	20·40	20·67	21·10	21·23	21·44	21·60	21·70	21·90	22·13	22·62	22·57
	21	19·89	20·32	20·27	20·47	20·67	20·77	20·74	20·50	20·44	20·47	20·54	20·60	20·83
	22	19·70	20·04	20·27	20·00	20·10	20·36	20·30	20·24	20·20	20·16	20·50	20·25	20·20
	23	20·10	20·34	20·40	20·60	21·00	21·60	21·83	22.04	—	—	—	—	—
	24	—	—	—	—	—	—	—	—	19·94	21.00	21·52	21.90	22·24
	25	19·80	20·22	20·46	21·00	21·40	21·70	21·30	21·80	23·10	23·90	24·15	24·07	23 98
	26													
	27	19·78	20·70	21·30	22·24	21·90	21·45	22·30	23·40	24·20	25 20	25·80	25·30	24.93
	28	20·13	20·90	20·78	21·00	21·12	22·70	22·00	22·07	22·04	22·00	21·87	21·64	21·40
	29	20·00	20·60	20·70	20·60	20·46	20·50	20·74	21.00	22·00	21·53	21·27	20·76	20·79
	30	20·06	20·72	21·00	21·26	21·70	22·30	23·00	23·70	23·20	22·70	22·12	21·80	21·47
	31	20·12	20·82	20·90	21·20	22·00	22·90	24·03	24·79	24·06	23·52	22·80	22·43	21·82

Bombay Mean Time.		DEW OBSERVATIONS. Woollen Ball's gain of Weight in one Hour.											
		7h·30	8h·30	9h·30	10h·30	11h·30	12h·30	13h·30	14h·30	15h·30	16h·30	17h·30	18h·30
DECEMBER, 1846.	1	0·70	0·40	0·94	0·45	0·20	0·10	–0·10	0·60	0·50	0·06	0·08	0·20
	2	0·34	0·21	0·20	0·00	0·33	0·77	0·20	–0·40	–0·15	0·11	0·00	0·03
	3	0·00	0·00	0·10	0·00	0·10	–0·25	0·20	0·23	0·27	0·00	0·06	0·28
	4	0·42	0·24	0·90	–0·74	0·10	0·54	0·58	–0·53	–0·04	0·04	–0·22	–0·55
	5												
	6	0·40	0·30	0·00	0·37	0·24	–0·25	0·30	–0·20	–0·56	0·02	0·24	–0·46
	7	0·47	0·13	0·10	0·20	0·06	0·00	0·34	0·24	0·03	–0·13	0·13	0·01
	8	0·82	0·62	0·46	–0.30	–0·10	–0·46	0·04	0·20	0·20	0·40	0·62	0·48
	9	0·38	0·12	0·16	0·04	0·30	0·24	0·50	1·10	0·96	0·43	0·57	0·64
	10	0·08	–0·26	0·00	0·07	0·43	0·34	0·46	0·44	0·06	–0·02	0·24	–0·20
	11	0·69	0·13	0·35	0·33	0·84	1·00	0·30	–0·40	–0·76	0·39	0·55	–0·26
	12												
	13	0·20	0·00	0·10	0·14	0·06	–0·10	–0·06	0·04	0·14	–0·10	–0·04	0·00
	14	0·24	–0·04	0·00	0·00	0·13	–0·13	–0·16	0·10	–0.14	0·06	0·01	0·00
	15	0·28	0·34	0·20	0·36	0·04	–0·06	0·24	0·60	0·54	0·22	0·61	0·52
	16	0.57	0·55	0·47	–0·07	0·04	–0·14	–0·30	0·00	0·30	0·40	0·06	0·30
	17	0·72	0·40	0·31	–0·34	0·33	0·04	0·04	0·56	0·10	–0.07	0·13	0·12
	18	0·65	0·05	0·04	–0·34	0·00	–0·06	0·20	0·46	0·04	0·02	0·43	0·59
	19												
	20	0·64	–0·20	–0·37	0·43	0·13	0·21	0·16	0·10	0·20	0·23	0·49	–0·05
	21	0·43	–0·05	0·20	0·20	0·10	–0.03	–0·24	–0·06	0·03	0.17	–0·04	0·23
	22	0·34	0·23	–0·27	0·10	0.26	–0·06	–0·06	–0·04	–0·04	0·34	–0·25	–0·05
	23	0·24	0·06	0·20	0·40	0·60	0·23	0·21	—	—	—	—	—
	24	—	—	—	—	—	—	—	—	1·06	0·52	0·38	0·34
	25	0·42	0·24	0·51	0·40	0·30	–0·40	0·50	1·30	0·80	0·25	–0·08	–0·09
	26												
	27	0·92	0·60	0·94	–0·34	–0·45	0·85	1·10	0·80	1·00	0·60	–0·50	–0·37
	28	0·77	0·12	0·22	0·12	0·58	0·30	0·07	–0·03	–0·04	–0·13	–0·23	–0·24
	29	0·60	0·10	–0·10	–0·14	0·04	0·24	0·26	1·00	–0·47	–0·25	–0·51	0·03
	30	0·66	0·28	0·26	0·44	0·60	0·70	0·70	–0·50	–0·50	–0·58	–0·32	–0·33
	31	0·70	0·08	0·80	0·80	0·90	1·03	0·76	–0·73	–0·54	–0·70	–0·39	–0·61

EVAPORATION FROM DISH No. I. (In the Observatory).

Date. Bombay Mean Time.	January, 1846.				February, 1846.				March, 1846.			
	Day.		Night.		Day.		Night.		Day.		Night.	
	Grains.	Inches	Grains	Inches.	Grains.	Inches.	Grains	Inches	Grains.	Inches	Grains.	Inches
1	880	0·029	520	0·017	*2100	0·070	—	—	3700	0·090	—	—
2	980	0.033	600	0·020	700	0·023	—	—			625	0·021
3	1650	0·055	—	—	550	0·018	600	0·020	800	0·027	750	0·025
4			200	0·007	400	0 013	550	0·018	1100	0·037	375	0·013
5	980	0·033	530	0·018	900	0·030	650	0·022	750	0·025	825	0·028
6	1740	0·058	500	0·017	1050	0·035	1000	0·033	900	0·030	650	0·022
7	2140	0·071	900	0·030	2500	0·085	—	—	2950	0·098	—	—
8	1200	0·040	850	0·028			900	0·030			975	0·033
9	940	0·031	970	0·032	1050	0·035	700	0·023	850	0·028	950	0·032
10	2200	0·073	—	—	500	0·017	600	0·020	—	—	650	0·022
11			100	0·003	1000	0 033	750	0·025	500	0·017	700	0·023
12	850	0·027	550	0·018	1100	0·037	950	0·032	550	0·018	—	—
13	900	0·030	500	0·017	1125	0·037	700	0·023	900	0·030	850	0·028
14	750	0·025	700	0·023	2350	0·078	—	—	2950	0·098	—	—
15	450	0·015	350	0·012			500	0·017			1000	0·033
16	900	0·030	700	0·023	1325	0·046	625	0·021	1400	0·048	900	0·030
17	2400	0·080	—	—	1100	0·037	800	0·027	1025	0·034	800	0·026
18			1050	0·035	1000	0·033	1250	0·042	900	0·030	2350	0·078
19	1000	0·033	850	0·028	950	0·032	900	0·030	—	—		
20	850	0·028	750	0·025	1250	0·042	1200	0·040	650	0·021	750	0·025
21	900	0·030	700	0·023	2625	0·088	—	—	2450	0·081	—	—
22	1000	0·033	1100	0·037			650	0·021			800	0·026
23	1300	0·043	800	0·027	850	0·028	550	0·018	1050	0·035	1050	0·035
24	2100	0·070	—	—	975	0·033	700	0·023	650	0·021	616	0·020
25			850	0·028	750	0·025	650	0·022	400	0·013	675	0.022
26	650	0·022	800	0·027	1850	0·062	—	—	800	0·026	600	0·020
27	925	0·031	950	0·032	850	0·028	500	0·017	1350	0·045	950	0-031
28	1200	0·040	250	0·012	1750	0·058	—	—	3100	0·103	—	—
29	900	0·030	850	0·028	—	—	—	—			1075	0·036
30	1700	0·057	600	0·020	—	—	—	—	1450	0·049	500	0·016
31	—	—	—	—	—	—	—	—	1400	0·046	700	0·023

EVAPORATION FROM DISH No. I. (In the Observatory).

Date. Bombay Mean Time.	April, 1846.				May, 1846.				June, 1846.			
	Day.		Night.		Day.		Night		Day		Night.	
	Grains.	Inches.	Grains.	Inches	Grains.	Inches.	Grains.	Inches.	Grains	Inches.	Grains	Inches.
1	—	—	650	0 021	1150	0·039	1200	0·040	†3200	0·106	1300	0·043
2	1400	0·046	550	0·019	2650	0·089	—	—	1100	0·036	1400	0·046
3	1100	0·036	600	0·020			800	0·026	700	0·023	1050	0·035
4	2400	0·080	—	—	1200	0·040	900	0·030	1050	0·035	1750	0·055
5			1050	0·035	1400	0·049	1750	0·059	1200	0·040	1150	0·039
6	1200	0 040	750	0·025	1200	0·040	1250	0 041	4100	—	—	—
7	1050	0·035	850	0·029	2050	0·069	1100	0·036		0·136	1300	0·043
8	700	0·023	825	0·026	1400	0·046	1650	0·055	1600	0·053	1300	0·043
9	800	0·026	800	0·026	3050	0·101	—	—	1450	0·049	750	0·025
10	1050	0·035	275	0·010			500	0·016	1250	0·041	900	0·030
11	2050	0·069	—	—	2000	0·066	750	0·025	750	0·025	600	0·020
12			350	0·011	1750	0·059	1050	0·035	650	0·021	250	0 009
13	1400	0.046	825	0·026	1450	0.049	1200	0·040	1500	0·050	—	—
14	2250	0·075	850	0·029	1450	0·049	1300	0·043			400	0·013
15	1300	0·043	700	0·023	130	0·004	1600	0·053	1100	0·036	650	0·021
16	1450	0 049	900	0·030	2500	0·083	—	—	800	0·026	500	0·016
17	1000	0·033	900	0·030			500	0·019	250	0·009	400	0·013
18	2500	0·083	—	—	1150	0·039	1300	0·043	700	0·076	850	0·029
19			1250	0·041	1050	0·035	1350	0·045	000	0·000	500	0·016
20	1450	0·049	1125	0·039	900	0·030	1300	0·043	2300	0·076	—	—
21	1950	0·065	1200	0·040	1700	0·056	850	0·029			000	0·000
22	1600	0·053	3900	0·130	1050	0 035	1400	0·046	1050	0·035	900	0·030
23	—	—			2700	0·090	—	—	1250	0·042	850	0·029
24	1300	0·043	600	0·020			1000	0·033	150	0·005	2100	0·070
25	3150	0·105	—	—	1700	0·056	1100	0·036	—	—		
26			1700	0·056	2100	0·071	2400	0·080	250	0·009	700	0.023
27	1850	0·061	1300	0·043	1900	0·063	1600	0·053	750	0·025	600	0·020
28	2350	0·079	2350	0·079	1400	0·046	1400	0·046	1300	0·043	050	0·002
29	1650	0·055	900	0·030	1500	0·050	4100	0·136	1250	0·041	050	0·002
30	1150	0·039	750	0·025	—	—			—	—	—	—
31				—								

* Between 30th January and 1st of February, two days.

† Between 30th. May and 1st. June, two days.

EVAPORATION FROM DISH No. I. (In the Observatory).

Date. Bombay Mean Time.	July, 1846.				August, 1846.				September, 1846.			
	Day		Night.		Day.		Night.		Day.		Night.	
	Grains.	Inches	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.	Grains	Inches	Grains.	Inches.
1	800	0·026	550	0·019	—	—	—	—	750	0·025	750	0·025
2	800	0·026	600	0·020	—	—	500	0·016	500	0·016	750	0·025
3	500	0·016	400	0·013	—	—	850	0·029	550	0·017	800	0·027
4	1500	0·050	—	—	500	0·016	600	0·020	550	0·017	1550	0·051
5			600	0·020	400	0·013	750	0·025	1200	0·040	000	0·000
6	900	0·030	500	0·016	300	0·010	—	—				
7	1100	0·036	800	0·026	1450	0·048	600	0·020	1400	0·046	—	—
8	700	0.023	750	0·025	1900	0·063	—	—	450	0·015	1200	0·040
9	100	0·033	600	0·020			000	0·000	750	0·025	500	0·016
10	750	0·025	850	0·029	750	0·023	350	0·011	—	—	1250	0.041
11	2200	0·073	—	—	700	0·023	800	0·026	450	0·015	700	0·023
12			800	0·026	300	0·010	650	0·021	2100	0·070	—	—
13	1500	0·050	—	—	750	0·025	850	0·029			900	0,030
14	500	0·019	700	0·021	850	5·029	650	0·022	900	0·030	600	0·020
15	650	0·021	000	0·000	2050	0·069	—	—	700	0·023	500	0·016
16	1150	0·039	500	0·019			000	0·000	750	0·025	650	0·021
17	200	0 006	400	0·013	000	0·000	700	0·023	450	0·015	650	0·021
18	1350	0·045	—	—	400	0·013	750	0·025	—	—	—	—
19			000	0·000	650	0·021	600	0·020	2450	0·081	—	—
20	000	0·000	000	0·000	600	0·020	550	0·019	—	—	350	0·011
21	850	0·029	000	0·000	1300	0·043	850	0·029	—	—	000	0·000
22	650	0·021	2150	0·017	2000	0·066	—	—	700	0·023	400	0·013
22	—	—					000	0·000	550	0·019	1750	0·059
24	150	0·005	—	—	400	0·013	800	0·026	—	—		
25	1250	0·041	—	—	—	—	1400	0·046	600	0·020	400	0·013
26			000	0·000	050	0·002	—	—	—	—	—	—
27	000	0·000	200	0·006	700	0·023	700	0·023	—	—	800	0·026
28	400	0·013	000	0·000	450	0·015	2650	0·089	850	0·029	750	0·025
29	450	0·015	000	0·000	—	—			1250	0·041	350	0·011
30	450	0·015	000	0·000	1000	0·033	—	—	1200	0·040	700	0·023
31	600	0·020	200	0·006			900	0·030	—	—	—	—

EVAPORATION FROM DISH No. I. (In the Observatory).

Date. Bombay Mean Time.	October, 1846.				November, 1846.				December, 1846.			
	Day.		Night.		Day.		Night.		Day.		Night.	
	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.
1	1300	0·043	600	0·020	*3500	0·116	400	0·013	1000	0·033	1000	0.033
2	1150	0·039	900	0·030	1050	0·035	300	0·010	1350	0·045	1000	0·033
3	1400	0·046	—	—	000	0·000	400	0·013	1850	0 061	1200	0 040
4			000	0·000	700	0·023	000	0·000	1200	0·040	650	0·021
5	000	0·000	500	0·017	1900	0·063	000	0·000	4100	0·136	—	—
6	1250	0·041	850	0·029	1200	0·040	000	0·000			500	0·016
7	000	0·000	550	0·019	2550	0·085	—	—	1800	0·060	850	0·026
8	600	0·020	600	0·020			000	0·000	500	0·016	1200	0·040
9	800	0·026	000	0·000	1850	0·061	300	0·010	350	0·011	700	0·023
10	1600	0·053	—	—	1750	0·058	700	0·023	850	0·029	550	0·019
11			000	0·000	1700	0·057	900	0·030	800	0·026	200	0·006
12	1500	0·050	000	0·000	1650	0·055	850	0 029	2900	0·096	—	—
13	1100	0·036	2150	0·071	1550	0·051	100	0·033			1300	0·041
14	000	0·000	800	0·026	4000	0·133	—	—	1250	0·041	1700	0·036
15	1400	0·046	800	0·026			1150	0·039	1300	0·043	400	0·013
16	950	0·031	650	†0·021	1800	0·060	500	0 016	1350	0·045	200	0·006
17	2050	0·069	—	—	1500	0·050	300	0·010	700	0·023	400	0·013
18			000	0·000	1550	0·055	450	0·015	650	0·021	850	0·029
19	850	0·029	1200	0·040	1400	0·046	1100	0.036	2700	0·090	—	—
20	1450	0·049	1100	0 036	1650	0·055	150	0·005			250	0·009
21	1550	0·051	3200	0·106	3750	0·165	—	—	450	0·015	600	0·020
22	—	—					850	0·029	1350	0·045	850	0·029
23	000	0·000	800	0·026	1650	0·055	450	0·015	200	0·066	3300	0·110
24	2600	0·086	—	—	1550	0·051	200	0·010	—	—		
25			000	0·000	2200	0·073	1300	0·043	600	0·020	1050	0·035
26	1850	0·061	000	0·000	1400	0·046	500	0·019	2900	0·096	—	—
27	1300	0·043	850	0·027	1300	0·043	1850	0·061			000	0·000
28	1150	0·039	250	0·019	—	—			1800	0·060	700	0·023
29	1800	0·060	450	0·015	2050	0·069	—	—	1150	0·039	1600	0·053
30	1350	0.045	600	0·020			000	0.000	550	0·015	1600	0·053
31	—				—	—	—	—	1000	0·033	780	0·026

* Between 30th. of October and 1st November, two days.

EVAPORATION FROM DISH No. II. (Outside of the Observatory, and screened from the Sun's Rays.)

Date. Bombay Mean Time.	January, 1846.				February, 1846.				March, 1846.			
	Day.		Night.		Day.		Night.		Day.		Night.	
	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.
1	..	..	..	..	..	..	..	..	6300	0·210	..	..
2	..	..	..	..	..	..	..	..			1000	0·033
3	..	..	..	..	..	..	..	..	2500	0·083	1400	0·047
4	..	..	..	..	..	..	..	..	1700	0·057	2600	0·087
5	..	..	..	..	..	..	..	..	1300	0·043		
6	..	..	..	..	..	..	..	..	3150	0·105	1625	0·054
7	..	..	..	..	..	..	..	..	10300	0·343	..	..
8	..	..	..	..	..	..	..	..			1700	0·057
9	..	.	..	..	..	..	..	..	1650	0·055	3850	0·128
10	..	..	..	..	..	..	..	..	2550	0·085	700	0·023
11	..	..	..	..	..	..	..	..	2450	0·082	1100	0·038
12	..	..	..	..	..	..	..	..	2750	0·092		
13	..	..	..	..	..	..	..	..	1250	0·042	1750	0·058
14	..	..	..	..	..	..	..	..	11000	0·367	..	..
15	..	..	..	..	..	..	..	..			4400	0·147
16	..	..	..	..	..	..	..	..	2600	0·087	1825	0·061
17	..	..	..	..	..	..	..	..	2175	0·072	1050	0·035
18	..	..	..	..	..	..	..	..	2050	0·068	6250	0·203
19	..	..	..	..	..	..	..	..	..	..		
20	..	..	..	..	..	..	..	..	..	..	900	0·030
21	..	..	..	..	..	..	..	..	8350	0·278	..	..
22	..	..	..	.	..	..	..	..			3000	0·100
23	..	..	..	..	..	..	..	..	3650	0·121	1150	0·038
24	..	..	..	..	..	..	..	..	1675	0·056	575	0·020
25	..	..	..	..	..	..	1375	0·046	1100	0·036	775	0·026
26	..	..	..	..	1650	0 055	1050	0·035	3410	0·113	1000	0·033
27	..	..	..	..	1850	0·062	2000	0·067	2650	0·090	1100	0·036
28	..	..	..	..	3680	0·123	250	0·008	..	..	..	..
29	..	..	..	..	..	..	..	..	..	..	2250	0·075
30	..	..	..	..	..	..	..	..	3400	0·113	1100	0·036
31	..	..	..	..	..	..	..	..	3000	0·100	1250	0·045

EVAPORATION FROM DISH No. II. (Outside of the Obesrvatory, and screened from the Sun's Rays.)

Date. Bombay Mean Time.	April, 1846.				May, 1846.				June, 1846.			
	Day.		Night.		Day.		Night.		Day.		Night.	
	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.
1	2300	0.076	1700	0 056	2600	0·086	1650	0·055	*7800	0·293	..	..
2	2600	0·086	2300	0·076	—	—	—	—	..	..	..	..
3	2750	0.091	2100	0·066	—	—	2800	0·093	..	..	..	..
4	9350	0·311	—	—	5700	0·190	2850	0.095	1600	0·053	1400	0·046
5			2275	0 076	5900	0·196	2900	0·096	2250	0·075	2200	0·073
6	3000	0·100	1300	0·043	3200	0·106	2600	0·086	9700	0·323	..	..
7	3100	0·103	2600	0·086	2600	0·086	2100	0·070			3500	0·116
8	2550	0·085	2350	0·079	2750	0·091	2050	0·069	..	..	..	..
9	2400	0·080	1600	0·053	8400	0·280	—	—	1950	0·065	..	..
10	2450	0·081	1650	0·055			1400	0·046	1100	0·036	..	..
11	—	—	—	—	2500	0·083	2200	0·073	..	..	..	..
12	—	—	1700	0·056	2850	0·095	3150	0·105	..	..	..	..
13	3300	0·110	2650	0·089	3500	0·117	2500	0·083	..	.. Rains.	..	..
14	3150	0·115	2500	0·083	3050	0·101	2500	0·083	..	..	..	..
15	2700	0·090	2500	0·083	900	0·030	1900	0·063	1550	0·051	..	..
16	2800	0.093	1600	0.053	7500	0·250	—	—	..	..	..	..
17	3100	0·103	1500	0·050			3600	0·120	..	..	..	..
18	10700	0·356	—	—	2500	0·083	2150	0·071	..	..	..	..
19			2350	0·079	2600	0·086	2750	0·091	..	.. Rains.	..	..
20	5400	0·180	2400	0·080	3500	0·116	1800	0·060	..	..	..	..
21	4400	0·146	2650	0·085	2800	0·093	2300	0·076	..	..	..	..
22	4150	0·147	8600	0·286	2450	0·081	2700	0·090	..	..	1100	0·036
23	3650	0·121			6950	0·231	—	—	..	..	..	..
24	—	—	1700	0·056			3100	0·103	..	..	..	..
25	8300	0·276	—	—	1750	0·059	2850	0·095	..	..	..	..
26			3350	0·111	2600	0.086	2800	0.093	..	..	..	..
27	5000	0·166	1750	0·059	2500	0·083	2900	0 096	..	.. Rains.	..	..
28	4300	0·143	3400	0·115	2700	0·090	2700	0·090	..	..	..	..
29	2650	0·189	1500	0·050	2500	0·083	7000	0·233	..	..	..	..
30	—	—	2650	0·085	—	—			..	..	..	..
31												

* Between 30th May and 1st June, two days.

EVAPORATION FROM DISH No. II. (Outside of the Observatory, and screened from the Sun's Rays.)

Date. Bombay Mean Time.	July, 1846.				August, 1846.				September, 1846.			
	Day.		Night.		Day.		Night.		Day.		Night.	
	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.
1	..	..	..	..	..	..	..	..	..	..	..	..
2	..	..	..	..	..	..	..	..	..	..	..	..
3	..	..	..	..	..	..	..	..	..	..	..	..
4	..	.. Rains.	..	..	..	..	..	..	..	..	..	..
5	..	..	..	..	..	..	..	..	..	..	..	..
6	..	..	..	..	..	..	..	..	..	..	..	..
7	..	..	..	..	..	..	..	..	..	..	..	..
8	2750	0·091	1000	0·033	..	..	..	..	..	..	..	..
9	2350	0·079	1000	0·033	..	..	..	..	..	..	..	..
10	..	..	1150	0·039	..	..	..	..	..	..	..	..
11	..	..	..	..	..	..	..	..	..	..	..	..
12	..	..	..	..	..	..	..	..	..	..	..	..
13	..	..	..	..	..	..	..	..	..	..	..	..
14	..	..	..	..	..	..	..	..	..	..	..	..
15	..	..	..	..	..	..	..	..	..	..	..	..
16	..	.. Rains.	..	..	..	.. Rains.	..	..	..	.. Rains.	..	..
17	..	..	..	..	..	..	..	..	..	..	..	..
18	..	..	..	..	..	..	..	..	..	..	..	..
19	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..
21	..	..	..	..	..	..	..	..	..	..	..	..
22	..	..	..	..	..	..	..	..	..	..	..	..
23	..	..	..	..	..	..	..	..	..	..	..	..
24	..	..	..	..	..	..	..	..	..	..	..	..
25	..	..	..	..	..	..	..	..	..	..	..	..
26	..	..	..	..	..	..	..	..	..	..	..	..
27	..	..	..	..	..	..	..	..	..	..	1700	0·056
28	..	..	..	..	..	..	..	..	..	..	1350	0·045
29	..	..	..	..	..	..	..	..	2150	0·071	600	0·020
30	..	..	..	..	..	.	..	..	2500	0·083	800	0·026
31	..	..	..	..	..	..	..	..	..	..	..	..

EVAPORATION FROM DISH No. II. (Outside of the Observatory, and screened from the Sun's Rays.)

Date. Bombay Mean Time.	October, 1846.				November, 1846.				December, 1846.			
	Day.		Night.		Day.		Night.		Day.		Night.	
	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.
1	1700	0.056	1200	0·040	*8600	0·286	2100	0·070	1800	0·060	1000	0·033
2	2550	0·085	1050	0·035	2100	0·070	900	0·030	1200	0·040	1400	0·046
3	..	..	..	..	2300	0·076	500	0·016	1900	0·063	1600	0·053
4	..	..	..	..	3000	0·100	500	0·016	1650	0·053	2650	0·089
5	..	..	..	..	—	—	—	—	8350	0 279	—	—
6	..	..	..	..	1800	0·060	700	0·023			—	—
7	.. Rains.	..	..	..	8000	0·266	—	—	1700	0·056	1750	0·059
8	..	..	..	..			—	—	1100	0·036	1650	0·055
9	..	..	..	..	3200	0·106	1400	0·046	850	0·029	950	0·031
10	..	..	..	..	3600	0·120	2600	0·087	3600	0·120	1500	0·050
11	..	..	..	..	2400	0·080	2300	0·076	1600	0·053	800	0·026
12	..	..	800	0·026	2800	0·093	800	0·026	5800	0·193	—	—
13	2400	0·080	1050	0·035	3650	0·121	1500	0·050			2900	0·096
14	1700	0·056	850	0·025	10400	0·346	—	—	1950	0·065	2000	0·066
15	—	—	000	0·000			3150	0·105	2100	0·070	1300	0·043
16	2000	0·066	000	0·000	3600	0·120	1650	0·055	1750	0·059	1000	0·033
17	—	—	—	—	2900	0·096	400	0·013	1900	0·063	1050	0·035
18	—	—	—	—	3350	0·111	1400	0·036	1450	0·049	1350	0·045
19	1500	0·050	1000	0·033	2400	0·080	2000	0.066	4800	0·160	—	—
20	2200	0·073	1650	0·055	2500	0·083	—	—			1800	0·060
21	5200 ?	0·173 ?	6300	0·210	4450	0·149	—	—	1750	0·045	1300	0·043
22	—	—					1550	0·051	2650	0·089	1400	0·046
23	1550	0·051	000	0·000	1700	0·056	1600	0·053	4900	0·166	7200	0·240
24	9200	0·306	—	—	2050	0·069	2400	0·080	—	—		
25			1950	0·065	—	—	2200	0·073	1200	0·030	1300	0·033
26	2000	0·066	1750	0·056	1300	0·043	1600	0·053	6100	0·230	—	—
27	2400	0·080	1800	0·060	1200	0·040	3400	0·113			1800	0·060
28	3200	0·106	1650	0·055	—	—			900	0·030	2200	0·073
29	2700	0.090	1200	0·040	4600	0·153	—	—	2800	0·093	2800	0·093
30	3150	0·105	—	—			1600	0·053	2250	0·075	1600	0·053
31	—	—	—	—	—	—	—	—	2900	0.096	1550	0·052

* Between 30th October and 1st November, two days.

EVAPORATION FROM DISH No. III. (Outside of the Observatory, and freely exposed to the Sun.)

Date. Bombay Mean Time.	January, 1846.				February, 1846.				March, 1846.			
	Day.		Night.		Day.		Night.		Day.		Night.	
	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.	Grains	Inches.	Grains.	Inches.	Grains.	Inches.
1	..	..	..	..	..	..	..	..	13700	0·457		
2	..	..	..	..	..	..	..	..			1600	0·053
3	..	..	..	..	..	..	..	..	5500	0·183	1625	0·054
4	..	..	..	..	..	..	..	..	5225	0·174	1500	0·050
5	..	..	..	..	..	..	..	..	5800	0·193	2300	0·077
6	..	..	..	..	..	..	..	..	3850	0·128	5000	0·167
7	..	..	..	..	..	..	..	..	15350	0·512	..	..
8	..	..	..	..	..	..	..	..			2025	0·067
9	..	..	..	..	..	..	..	..	7500	0·250	2100	0·070
10	..	..	..	..	..	..	..	..	6450	0·182	1016	0·034
11	..	..	..	..	..	..	..	..	5850	0·195	1150	0·038
12	..	..	..	..	..	..	..	..	3900	0·130	2045	0·068
13	..	..	..	..	..	..	..	..	5800	0·193	2025	0·068
14	..	..	..	..	..	..	..	..	15200	0·507	..	..
15	..	..	..	..	..	..	..	..			2200	0·073
16	..	..	..	..	..	..	..	..	9800	0·327	1500	0·050
17	..	..	..	..	..	..	..	..	4250	0·142	1700	0·057
18	..	..	..	..	..	..	..	..	5600	0·187	10275	..
19	..	..	..	..	..	..	..	..	—	—		0·342
20	..	..	..	..	..	..	..	..	5700	0·190	1600	0·053
21	..	..	..	..	..	..	..	..	14350	0·478	..	..
22	..	..	..	..	..	..	..	..			3200	0·106
23	..	..	..	..	..	..	..	..	6800	0·226	2250	0·075
24	..	..	..	..	..	..	..	..	5650	0·189	1725	0·036
25	..	..	..	..	..	..	2200	0·073	5000	0·166	1600	0·053
26	..	..	..	..	5650	0·155	1900	0·063	5050	0·168	3100	0·103
27	..	..	..	..	5250	0·175	2000	0·067	6000	0·200	800	0·026
28	..	..	..	..	7800	0·260	650	0·022	17550	0·585	..	..
29	..	..	..	..	..	..	..	..			2500	0·083
30	..	..	..	..	..	..	..	..	8500	0·283	1500	0·050
31	..	..	..	..	..	..	..	..	7550	0·251	1500	0·050

EVAPORATION FROM DISH No. III. (Outside of the Observatory, and freely exposed to the Sun)

Date. Bombay Mean Time	April, 1846.				May, 1846.				June, 1846.			
	Day.		Night.		Day.		Night.		Day.		Night.	
	Grains.	Inches.	Grains	Inches.	Grains.	Inches.	Grains.	Inches	Grains.	Inches.	Grains.	Inches.
1	6750	0·125	1700	0·056	9600	0·320	1950	0·065	..	..	..	..
2	7200	0·240	1600	0·053	..	..	..	..	..	Rain		..
3	7250	0·241	2000	0·066	..	..	1200	0·040	..	..	..	..
4	18650	0·621	..	..	6400	0·213	2850	0·095	4000	0·133	2500	0·083
5			2250	0·075	7000	0·233	2900	0·096	4400	0.146	3800	0·126
6	5000	0·166	1500	0·050	5900	0·163	3150	0·105	15400	0·513	..	..
7	9050	0·301	1600	0·053	5900	0·113	1900	0·063			3450	0·115
8	8050	0·269	1750	0·059	7250	0·241	3300	0·101	..	..	2500	0·083
9	3150	0·271	1800	0·060	13450	0·449	..	..	3850	0·129	..	..
10	8300	0·276	1450	0·049			2600	0·086	2650	0·089	..	..
11	20100	0·670	..	..	5950	0·199	1500	0·050	..	..	..	..
12			2525	0·083	8000	0·266	3400	0·113	..	Rain		..
13	8700	0·290	2150	0·071	6050	0·201	3100	0·103	..	..	..	..
14	10050	0·335	2500	0·083	5200	0·140	3700	0·123	..	..	..	..
15	10300	0·343	2100	0·070	2300	0·077	2500	0·083	3250	0·129	..	..
16	10000	0·333	2000	0·066	12250	0·409	..	..	..	..	..	..
17	9100	0·303	2100	0·071			3900	0·130	..	..	..	..
18	..	..	..	..	5800	0·193	3100	0·103	..	Rain		..
19	..	..	2600	0·086	5200	0·173	3050	0·101	..	..	..	..
20	10200	0·340	1950	0·065	4600	0·153	3700	0·123	..	..	.	..
21	8450	0·281	2650	0·085	5750	0·191	3650	0·121	..	..	..	..
22	8450	0·281	12200	0·406	5700	0·190	4000	0·133	..	..	1500	0·050
23	..	..			14850	0·495	..	..	..	..	..	..
24	7800	0·260	1400	0·046			3300	0·110	..	..	..	..
25	18700	..	..	..	5900	0·163	4950	0·165	..	..	..	..
26		0·623	2550	0·085	5200	0·140	2700	0·090	..	Rain		..
27	9250	0·309	1800	0·060	7600	0·253	4700	0·156	..	..	..	..
28	9300	0·310	2600	0·086	5700	0·190	4200	0·140	..	..	..	..
29	10250	0·341	1700	0·056	5700	0·190	13300	0·433	..	..	..	..
30	9100	0·303	2650	0·085	..	..			..	..	..	..
31												

EVAPORATION FROM DISH No. III. (Outside of the Observatory, and freely exposed to the Sun.)

Date. Bombay Mean Time.	July, 1846.				August, 1846.				September, 1846.			
	Day.		Night.		Day.		Night.		Day.		Night.	
	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.
1	..	..	..	..	..	..	..	..	..	..	..	..
2	..	..	..	..	..	..	..	..	..	..	..	..
3	..	..	..	..	..	..	..	..	..	..	..	..
4	..	..	.. Rain	..	..	..	..	..	..	..	..	..
5	..	..	..	..	..	..	..	..	..	..	..	..
6	..	..	..	..	..	..	..	..	..	..	..	..
7	..	..	..	..	..	..	..	..	..	..	..	..
8	2900	0·096	1300	0·043	..	..	..	..	..	..	..	..
9	2150	0·105	2200	0·073	..	..	..	..	..	..	..	..
10	3000	0·100	1850	0·061	..	..	..	..	..	..	..	..
11	..	..	..	..	..	..	..	..	..	..	..	..
12	..	..	..	..	..	..	..	..	..	.. Rain.	..	..
13	..	..	..	..	..	.. Rain.	..	..	..	..	..	..
14	..	..	..	..	..	..	..	..	..	..	..	..
15	..	..	..	..	..	..	..	..	..	..	..	..
16	..	..	..	..	..	..	..	..	..	..	..	..
17	..	..	.. Rain	..	..	..	..	..	..	..	..	..
18	..	..	..	..	..	..	..	..	..	..	..	..
19	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..
21	..	..	..	..	..	..	..	..	..	..	..	..
22	..	..	..	..	..	..	..	..	..	..	..	..
23	..	..	..	..	..	..	..	..	..	..	..	..
24	..	..	..	..	..	..	..	..	..	..	..	..
25	..	..	..	..	..	..	..	..	..	..	..	..
26	..	..	..	..	..	..	..	..	..	..	..	..
27	..	..	..	..	..	..	..	..	..	..	1300	0·043
28	..	..	..	..	..	..	..	..	3800	0·126	800	0·026
29	..	..	..	..	..	..	..	..	3700	0·123	1200	0·040
30	..	..	..	..	..	..	..	..	3200	0·106	1400	0·046
31												

EVAPORATION FROM DISH No. III. (Outside of the Obesrvatory, and freely exposed to the Sun.)

Date. Bombay Mean Time.	October, 1846.				November, 1846.				December; 1846.			
	Day.		Night.		Day.		Night.		Day.		Night.	
	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.	Grains.	Inches.
1	3300	0·110	1650	0·055	* 10600	0·353	2050	0 069	2800	0·093	1100	0·036
2	3550	0·119	1100	0·031	3650	0·121	2300	0·076	4550	0·151	3250	0·109
3	..	..	..	..	3900	0·130	1200	0·040	3750	0·125	2150	0·071
4	..	..	..	..	4100	0·136	2000	0·066	3800	0·126	2500	0·083
5	..	..	..	..	4250	0·140	1050	0·035	..	..	..	..
6	..	..	..	..	3600	0·120	1700	0·056	..	..	2150	0·071
7	..	..	..	..	8650	0·289	..	..	4750	0·159	2700	0·090
8	..	..	..	..			2800	0·093	2700	0·090	2050	0·069
9	..	..	..	..	3800	0·126	..	..	2700	0·090	1400	0·046
10	..	..	..	..	4850	0·162	2000	0 067	5900	0·163	1000	0·033
11	..	..	..	..	4300	0·143	3200	0·106	3700	0·123	800	0·026
12	..	..	1000	0·033	4800	0·160	3200	0·136	9550	0·319	..	..
13	2650	0·089	1350	0·045	4800	0·160	4100	0·070			2000	0·066
14	2400	0.080	1000	0·033	10700	0·356	..	..	3600	0·120	2400	0·080
15	2200	0·073	1400	0·046			2100	0·070	3850	0·129	2100	0·070
16	..	..	750	0·025	6800	0·226	1800	0·060	3400	0·113	2700	0·090
17	..	..	..	..	3800	0·126	3300	0·110	3250	0·106	1400	0·046
18	..	..	..	..	6000	0·200	1750	0·059	3050	0·101	1950	0·065
19	2450	0·081	4800	0·160	3900	0·130	3700	0·123	9700	0·323	..	..
20	3900	0·130	2250	0·075	4350	0·145	2300	0·076			1400	0·046
21	4200	0·140	7100	0·236	5650	0·189	..	..	4100	0·136	2800	0·093
22	..	..					1450	0.049	3750	0·125	3900	0·130
23	2550	0·085	1750	0·059	4200	0·140	4900	0·163	5250	0·175	9700	0·323
24	10800	0·393	..	..	4350	0·145	1650	0·055	..	..		
25			1950	0·065	4700	0·156	1900	0·063	4300	0·143	2200	0·066
26	3900	0·130	2700	0·090	4650	0·155	3700	0·123	9800	0·326	..	..
27	4300	0·143	..	..	4100	0·136	7600	0·253			1200	0·040
28	4500	0·150	1200	0·040	..	..			3100	0·103	1950	0·065
29	4600	0·153	2700	0·090	7150	0·271	..	..	3400	0·113	3800	0·126
30	5350	0·179	2500	0·083			1200	0·040	2900	0·096	2300	0·076
31									3400	0·113	1400	0·047

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* Between 30th Oct. and 1st Nov. two days.

ACTINOMETER.

Date. Bombay Civil Time.	Times of Observation Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B − A.	Radiation in parts of Scale.	Mean.	Remarks.
	Initial	Terminal.		A Initial.	B. Terminal				
	H. M. S.	H. M. S.							
JANUARY 1st, 1846.	10·30·00	10·30·30	⊙	10·5	25·3	14·8	—	11·9	⊙ Clear: Wind calm. 2/8 ∖ and fleecy clouds scattered.
	10·31·00	10·31·30	+	29·0	31·5	2·5	12·6		
	10·32·00	10·32·30	⊙	8·9	24·4	15·5	12·3		
	10·33·00	10·33·30	+	29·0	32·9	3·9	12·0		
	10·34·00	10·34·30	⊙	13·9	30·3	16·4	11·6		
	10·35·00	10·35·30	+	36·4	42·1	5·7	11·2		
	10·36·00	10·36·30	⊙	9·6	27·1	17·5	—		
	11·30.00	11·30·30	⊙	2·5	16·0	13·5	—	13·6	⊙ Clear. Wind gentle: ∖ and fleecy clouds around the horizon.
	11·31·00	11·31·30	+	18·5	20·9	2·4	12·3		
	11·32·00	11·32.30	⊙	7·9	23·9	16·0	13·5		
	11·23·00	11·33·30	+	27·9	30.5	2·6	13·9		
	11·34·00	11·34·30	○	14·0	31·0	17·0	14·2		
	11·35·00	11·35·30	+	35·0	38·0	3·0	14·2		
	11·36·00	11·36·30	⊙	12·5	30·0	17·5	—		
	12·30·00	12·30 30	⊙	9·5	25 0	15·5	—	14·9	⊙ Clear: Wind gentle. ∖ and fleecy clouds along the horizon.
	12·31·00	12·31·30	+	28·0	30·9	2·9	13·6		
	12·32·00	12·32·30	⊙	9·9	27·5	17·6	15·5		
	12·33·00	12·33·30	+	31·5	32·9	1·4	16·0		
	12·34·00	12·34·30	⊙	9·3	26·5	17·2	15·5		
	12·35·00	12·35·30	+	30·0	34·0	4·0	13·9		
	12·36·00	12·36·30	⊙	8·7	27·4	18·7	—		
	1·30·00	1·30·30	⊙	5·7	19·9	14·2	—	13·4	⊙ Clear: Wind calm. ⎿ and ∖ all around the horizon.
	1·31·00	1·31·30	+	21·5	22·0	0·5	14·10		
	1·32·00	1.32·30	⊙	11·0	26·0	15·0	13·90		⊙ Clear: Wind fresh.
	1·33·00	1·33·30	+	29·8	31·5	1·7	13·80		
	1·34·00	1.34·30	⊙	42·5	56·5	14 0	12·15		Wind Gentle: ∖i on the sun
	1·35.00	1·35·30	+	63·5	65 5	2·0	13·00		
	1·36·00	1·36·30	⊙	3·0	19·0	16·0	—		⊙ Clear.
	2·30·00	2·30·30	⊙	9·0	22·0	13·0	—	9·6	⊙ Clear: Wind calm 1/8. ∖, ⎿, and fleecy clouds.
	2·31·00	2·31·30	+	24·2	26·1	1·9	9·45		
	2·32·00	2·32·30	⊙	12.5	22·2	9·7	7·45		Wind Fresh: Thin ∖i on the ⊙
	2·33·00	2·33·30	+	26·5	29·1	2·6	8·75		" "
	2·31·00	2·34·30	⊙	41·0	54·0	13·0	10·70		" " ⊙ Clear.
	2·35·00	2·35·30	+	58·5	60·5	2·0	11·75		Gentle "
	2·36·00	2·36·30	⊙	10·5	25·0	14·5	—		" " ⊙ Clear.
JANUARY [illegible] 1846.	8·30·00	8·30·30	⊙	7·0	18·0	11·0	—	12·5	The whole of the sky was cloudy on the 2nd January. Thin haze on the sun.
	8·31·00	8·31·30	+	18·4	17·3	− 1·1	12·02		
	8·32·00	8·32·30	⊙	8·2	19·0	11·2	12·04		
	8·33·00	8·33·30	+	20·3	19·0	− 1·3	12·03		
	8·34 00	8·34·30	⊙	9·0	19·8	10·8	13·05		
	8·35·00	8·35·30	+	19·5	17·3	− 2·2	12·03		
	8·36·00	8·36·30	⊙	8·0	17·4	9·4	—		
	9·30·00	9·30·30	⊙	34·8	47·8	13·1	—	12·7	Clear. Wind gentle
	9·31·00	9·31·30	+	50·0	50·0	0·0	12·65		
	9·32.00	9·32·30	⊙	3·8	16·0	12·2	12·45		
	9·33·00	9·33·30	+	17·0	16·5	− 0·5	13·00		
	9·34·00	9·34·30	⊙	11·9	21·7	12·8	12·85		
	9·35·00	9·35 30	+	27·0	27·4	+0·4	12·50		
	9·36·00	9·36·30	⊙	11·0	24·0	13·0	—		
	10·30·00	10·30·30	⊙	7·5	18·2	10·7	—	12·0	Clear: Wind gentle
	10·31·00	10·31·30	+	19·0	18·0	− 1·0	12·55		
	10·32·00	10·32.30	⊙	10·0	22·4	12·4	12·40		
	10.33·00	10·33.30	+	24.5	25 5	+1·0	11·50*		* Current of air.
	10·34·00	10·34·30	⊙	7·3	20·0	12·7	11·70		
	10·35·00	10·35·30	+	22·0	23·0	+1·0	12·35		
	10·36·00	10·36·30	⊙	3·9	17·9	14·0	—		

ACTINOMETER.

Date. Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.							
JANUARY 6th, 1846.	11·30·00	11·30·30	⊙	8·8	23·7	14·9	—	13·8	Fleecy Clouds in the SE. and S.
	11·31·00	11·31·30	+	28·0	29·4	+1·4	13·7		Wind gentle.
	11·32·00	11·32·30	⊙	8·2	23·5	15·3	13·5		1 min. after the (usual) Time
	11·33·00	11·33·30	+	18·5	20·7	+2·2	13·6		
	11·34·00	11·34·30	⊙	3·5	19·8	16·3	14·3		
	11·35·00	11·35·30	+	42·0	43·9	+1·9	14·1		
	11·36·00	11·36·30	⊙	35·2	51·0	15·8	—		
	0·30·00	0·30·30	⊙	8·9	24·0	15·1	—	13·2	Fleecy Clouds in the South.
	0·31·00	0·31·30	+	28·0	30·5	2·5	13·0		Wind gentle (cold).
	0·32·00	0·32·30	⊙	9·0	24·9	15·9	13·2		Thin haze on the ⊙.
	0·33·00	0·33·30	+	29·0	32·0	3·0	13·2		
	0·34.00	0·34·30	⊙	9·5	26·0	16·5	13·5		
	0·35·00	0·35·30	+	30·5	33·5	3·0	13·2		
	0·36·00	0·36·30	⊙	6·0	21·9	15·9	—		
	1·30·00	1·30·30	⊙	3·5	13·0	9·5	—	11·5	⊙ Clear: Strong Wind. — in the E. and S.
	1·31·00	1·31·30	+	14·0	13·8	- 0·2	11·15		" " "
	1·32·00	1·32·30	⊙	4·8	17·2	12·4	12·85		" " "
	1·33·00	1·33·30	+	21·4	22·5	1·1	10·60		" " "
	1·34·00	1·34·20	⊙	0·5	11·5	11·0	10·60		" " "
	1·35·00	1·35·30	+	16·3	16·0	- 0·3	12·25		" " "
	1·36·00	1·36·30	⊙	9·5	22·4	12·9	—		" " "
	2·30·00	2·30·30	⊙	6·5	17·5	11·0	—	11·5	⊙ Clear: Strong Wind. ∟ In the E. and SE.
	2·31·00	2·31·30	+	18·8	18·5	- 0·3	11·50		" " "
	2·32·00	2·32·30	⊙	6·8	18·2	11·4	11·55		" " "
	2·33·00	2·33·30	+	20·2	20·2	0·0	11·85		" " "
	2·34·00	2·34·30	⊙	4·5	16·8	12·3	11·60		" " "
	2·35·00	2·35·30	+	21·0	22·5	1·5	11·15		" " "
	2·36·00	2·36·30	⊙	10·0	23·0	13·0	—		" " "
	3·30·00	3·30·30	⊙	16·5	24·5	8·0	—	8·8	∟, — in the E. and SE.
	3·31·00	3·31·30	+	26·5	27·0	0·5	8·30		Wind strong. ⊙ Clear; and thin Haze all round the Horizon.
	3·32·00	3·32·30	⊙	6·4	16·0	9·6	9·20		
	3·33·00	3·33·30	+	17·7	18·0	0·3	9·00		
	3·34·00	3·34·30	⊙	1·0	10·0	9·0	8·70		
	3·35·00	3·35·30	+	11·4	11·7	0·3	8·85		
	3·36·00	3·36·30	⊙	6 0	15·3	9·3	—		
	4·30·00	4·30·30	⊙	6·5	13·0	6·5	—	6·4	
	4·31·00	4·31·30	+	13·5	13·4	- 0·1	6·70		
	4·32·00	4·32·30	⊙	1·3	8·0	6·7	6·50		
	4·33·00	4·33·30	+	8·5	9·0	0 5	5·85		
	4·34·00	4·34·30	⊙	1·2	7·2	6·0	5·90		
	4·35·00	4·35·30	+	7·3	7·0	- 0·3	7·05		
	4·36·00	4·36·30	⊙	2·2	9·7	7·5	—		
JANUARY 7th, 1846.	8·30·00	8·30·30	⊙	5·0	15·8	10·8	—	9·4	⊙ A little hazy.
	8·31·00	8·31·30	+	17·9	19·0	+1·1	9·6		
	8·32·00	8·32·30	⊙	9.2	19·9	20·7	9·6		
	8·33·00	8·33·30	+	22·2	23·4	+1·2	9·3		
	8·34·00	8·34·30	⊙	6·6	17·0	10·4	9·3		
	8·35·00	8·35·30	+	20·0	21·0	+1·0	9·2		
	8·36.00	8·36·30	⊙	9·5	19·6	10·1	—		
	9·30·00	9·30·30	⊙	6·9	19·4	12·5	—	12·0	⊙ Clear.
	9·31·00	9·31·30	+	21·0	22·0	+1·0	11·30		
	9·32·00	9·32·30	⊙	33·0	45·1	12·1	11·10		
	9·33·00	9·33·30	+	48·0	49·0	+1·0	12·10		
	9·34·00	9·34·30	⊙	6·9	21·0	14·1	13·10		
	9·35·00	9·35·30	+	23·0	24·0	+1·0	12·60		
	9·36·00	9·36.30	⊙	9·4	22·5	13·1	—		

ACTINOMETER.

Date, Bombay Civil Time.	Time of Observation. Bombay 1846. Initial.	Time of Observation. Bombay 1846. Terminal.	Exposure, sun or shade ⊙ +	Readings. A. Initial.	Readings. B. Terminal.	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks
	H. M. S.	H. M. S.							
January 7th, 1846.	10·30·00	10·30·30	⊙	7·9	19·9	12·0	—		⊙ Clear
	10·31·00	10·31·30	+	22·5	23·0	+0·5	11·6		
	10·32·00	10·32·30	⊙	34·7	47·0	12·3	11·2		
	10·33·00	10·33·30	+	49·0	50·7	+1·7	11·7	11·7	
	10·34·00	10·34·30	⊙	7·9	22·4	14·5	11·7		
	10·35·00	10·35.30	+	26·0	28·0	+2·0	12·5		
	10·36.00	10·36·30	⊙	13·5	28·0	14·5	—		
	11·30·00	11·30·30	⊙	7·0	21·9	14·9	—		⊙ Clear.
	11·31·00	11·31·30	+	23·0	24·5	1·5	13·9		
	11·32·00	11·32·30	⊙	13·0	29·0	16·0	14·0		
	11·33·00	11·33·30	+	30·9	33·5	2·6	13·9	14·1	
	11·34·00	11·34·30	⊙	7·8	24·8	17·0	14·3		
	11·35·00	11·35·30	+	27·2	30·0	2·8	14·3		
	11·36·00	11·36·30	⊙	1·6	18·9	17·3	—		
	12 30·00	12·30·30	⊙	22·0	35·2	13·2	—		⊙ Clear.
	12·31·00	12·31·30	+	36·5	37·6	1·1	12·9		
	12·32·00	12·32·30	⊙	13·3	28·2	14·9	13·6		
	12·33·00	12·33·30	+	31·0	32·5	1·5	13·2	13·3	
	12·34·00	12·34·30	⊙	14·0	28·5	14·5	13·0		
	12·35·00	12·35·30	+	31·5	32·5	1·5	13·7		
	12·36·00	12·36·30	⊙	11.1	27·0	15·9	—		
	1·30·00	1·30·30	⊙	16·0	30·0	14·0	—		⊙ Clear
	1·31·00	1·31·30	+	31·5	30·3	- 1·2	16·35		
	1·32·00	1·32·20	⊙	13·0	29·3	16·3	17·30		
	1·33·00	1·33·30	+	32·0	31·2	- 0·8	16·80	16.7	
	1·34·00	1·34·30	⊙	11·8	27·5	15·7	16·60		
	1·35·00	1·35·30	+	31·8	30·8	- 1·0	16·45		
	1·36·00	1·36·30	⊙	12·3	27·5	15·2	—		
	2·30·00	2·30·30	⊙	8·0	22·0	14·0	—		⊙ Clear
	2·31·00	2·31·30	+	27·5	26·0	- 1·5	15·50		
	2·32·00	2·32·30	⊙	12·0	26·0	14·0	15·40		
	2 33·00	2·33·30	+	26·5	25·2	- 1·3	13·15	13·1	
	2·34·00	2·34·30	⊙	12·5	22·2	9·7	11·10		
	2·35·00	2·35·30	+	23·5	24·0	0·5	10·35		
	2·36·00	2·36 30	⊙	12·0	24·0	12·0	—		
	3·30·00	3·30·30	⊙	8·0	18·0	10·0	—		⊙ Clear
	3·31·00	3 31·30	+	18·3	17·5	- 0·8	11·70		
	3·32·00	3·32·30	⊙	12·5	24·3	11·8	13·10		
	3·33·00	3·33·30	+	21·8	23·0	- 1·8	12·70	12·0	
	3·34·00	3 34·30	⊙	11·0	21·0	10·0	11·40		
	3·35·00	3·35·30	+	22·0	21·0	- 1·0	11·30		
	3·36·00	3·36·30	⊙	8·2	18·8	10·6	—		
	4·30 00	4·30·30	⊙	6·0	13·4	7·4	—		⊙ Clear
	4·31·00	4·31·30	+	13·2	13·5	- 0·3	7·00		
	4·32·00	4·32·30	⊙	2·5	8·5	6 0	6·10		
	4·33·00	4·33·30	+	8·0	7 5	- 0·5	6·75	6·9	
	4·34·00	4.34·30	⊙	2·0	8·5	6·5	7·26		
	4·35·00	4·35·30	+	9 0	8·0	- 1·0	7·20		
	4·36·00	4·36·30	⊙	10·3	16·2	5·9	—		
[illegible]	8·30·00	8·30·30	⊙	7·6	19·0	11·4	—		⊙ Clear
	8·31·00	8.31·30	+	22·1	23·6	+1·5	9·8		
	[illegible]	8·32·30	⊙	7·4	18·6	11·2	9·7		
	[illegible]	8 33·30	+	21·4	23·0	+1·6	9·2	9·4	
	[illegible]	8·34·30	⊙	7·3	17·8	10·5	9·1		
	8·35·00	8·35·30	+	21·2	22·4	+1·2	9·5		
	8·36·00	8·36·30	⊙	9·1	20·0	10·0	—		

ACTINOMETER.

Date. Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.							
JANUARY 9TH, 1846.	9·30·00	9·30·30	⊙	23·0	34·9	11·9	—		⊙ Clear.
	9·31·00	9·31·30	+	36·8	37·7	+0·9	11·4		
	9·32·00	9·32·30	⊙	7·7	20·4	12·7	12·0		
	9·33·00	9·33·30	+	22·5	23·0	+0·5	12·4	12·1	
	9·34·00	9·34·30	⊙	6·8	20.0	13·2	12·6		
	9·35·00	9·35·30	+	22·0	22·7	+0·7	11·9		
	9·36·00	9·36·30	⊙	33·0	45·0	12·0	—		
	10.30·00	10·30·30	⊙	6·0	17·9	11·9	—		⊙ Clear.
	10·31·00	10·31·30	+	17·5	18·0	+0·5	11·2		
	10 32.00	10·32·30	⊙	15·4	27·0	11·6	10·9		
	10·33·00	10·33·30	+	28·5	29·4	+0·9	11·7	11·5	
	10·34·00	10·34·30	⊙	4·0	17·0	13·0	11·9		
	10·35·00	10·35·30	+	13·5	14·8	+1·3	11·7		
	10·36·00	10·36·30	⊙	27·0	40·0	13·0	—		
	11·30·00	11·30·30	⊙	2·0	15·0	13·0	—		⊙ Clear.
	11·31·00	11·31·30	+	16·4	16·9	+0·5	13·1		
	11·32·00	11·32·30	⊙	7·7	22·0	14·3	13·6		
	11·33·00	11·33·30	+	25·0	26·0	+1·0	13·4	13·1	
	11·34·00	11·34·30	⊙	7·5	22·1	14·6	13·1		
	11·35·00	11·35·30	+	25·0	27·0	2·0	12·3		
	11·36·00	11·36·30	⊙	9·0	23·0	14·0	—		
	0·30·00	0·30·30	⊙	10·9	27·2	16·3	—		⊙ Clear.
	0·31·00	0·31·30	+	29·7	31·9	+2·2	12·5		
	0·32·00	0·32·30	⊙	12·1	28·3	16·2	14·4		
	0·33·00	0·33·30	+	27·2	28·7	+1·5	15·1	15·0	
	0·34·00	0·34·30	⊙	8·2	25·2	17·0	16·0		
	0·35·00	0·35·30	+	27·0	27·5	+0·5	17·1		
	0·36·00	0·36·30	⊙	8·0	26·3	18·3	—		
	1·30 00	1·30·30	⊙	15·5	29·5	14·0	—		⊙ Clear.
	1·31·00	1.31·30	+	32·0	32·2	0·2	14·0		
	1·32·00	1·32·30	⊙	8·8	23·2	14·4	14·0		
	1·33·00	1·33·30	+	25·5	26·2	0·7	14·1	14·2	
	1·34·00	1·34·30	⊙	14·8	30·0	15·2	14·7		
	1·35·00	1·35·30	+	32·0	32·3	0·3	14·3		
	1·36·00	1·36·30	⊙	15·5	29·5	14·0	—		
JANUARY 10TH, 1846.	8·30·00	8·30·30	⊙	5.2	14·6	9·4	—		
	8·31·00	8·31·30	+	17·6	19·4	1·8	7·9		
	8·32·00	8·32·30	⊙	9·0	19·0	10·0	8 3		⊙ A little hazy.
	8.33·00	8·33·30	+	21·5	23·2	1·7	8·8	8·6	
	8·34·00	8 34·30	⊙	10·6	21·6	11·0	8·9		
	8·35·00	8·35·30	+	24·6	27·1	2·5	9·2		
	8·36·00	8·36·30	⊙	6·8	17.3	10·5	—		
	9·30·00	9·30·30	⊙	1·0	13·9	12·9	—		⊙ Clear.
	9·31·00	9·31 30	+	16·0	17·3	+1·3	11·7		
	9·32·00	9 32·30	⊙	28·9	42·0	13·1	11·5		
	9·33·00	9·33·30	+	44·9	46·9	+2·0	11·5	11·7	
	9·34·00	9·34·30	⊙	9·0	23·0	14·0	12·0		
	9·35·00	9·35·30	+	27·0	29·0	+2·0	11·7		
	9·36·00	9·36·30	⊙	41·6	55·0	13·4	—		
	10·30·00	10·30·30	⊙	0·6	15·0	14·4	—		⊙ Clear.
	10·31·00	10·31·30	+	18·7	19·9	+1·2	13·3		
	10·32·00	10·32·30	⊙	5·1	19·8	14·7	13·4		
	10·33·00	10·33·30	+	23·0	24·4	1·4	13·6	13·5	
	10·34·00	10·34·30	⊙	6·1	21·5	15·4	13·7		
	10·35·00	10 35·30	+	32·0	34·5	+2·0	13·4		
	10·36·00	10·36·30	⊙	7·1	22·5	15·4	—		

ACTINOMETER.

	Bombay Civil Time.	Time of Observation. Bombay, 1847.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
JANUARY 12TH, 1846.	8·33·15	8·30 00	8·30·30	⊙	9·5	20·0	10·5	—	9·2	⊙ Clear.
		8·31·00	8·31·30	+	22·3	24·0	+1·7	9·2		
		8·32·00	8·32·30	⊙	33·9	45·2	11·3	9·5		
		8·33·00	8·33·30	+	49·0	51·0	+2·0	9·4		
		8·34·00	8·34·30	⊙	17·6	29·1	11·5	9·2		
		8·35.00	8·35·30	+	32·3	35·0	+2·7	8·8		
		8·36·00	8·36·30	⊙	46·0	57·6	11.6	—		
	9·33·15	9·30·00	9·30·30	⊙	11·0	23·5	12·5	—	11·4	⊙ Clear
		9·31·00	9·31·30	+	26·5	28·2	1·7	11·10		
		9·32·00	9·32·30	⊙	9·9	23·0	13·1	11·40		
		9·33·00	9·33·30	+	26·5	28·2	1·7	11·50		
		9.34·00	9·34·30	⊙	9·5	22·8	13·3	11·25		
		9·35·00	9·35·30	+	26·0	28·4	2·4	11·60		
		9·36·00	9.36·30	⊙	11·5	26·2	14·7	—		
	10·33·15	10·30·00	10·30·30	⊙	4·6	17·0	12·4	—	10·5	⊙ Clear
		10·31·00	10·31·30	+	19·8	22·0	2·2	10·50		
		10·32·00	10·32·30	⊙	15.0	23·0	13·0	10·50		
		10·33·00	10·33·30	+	31·2	34.0	2.8	10·70		
		10·34·00	10·34·30	⊙	14·0	28·0	14·0	—		
		10·35·00	10·35·30	+	32·0	—	—	—		
		10·36·00	10·36·30	⊙	—	—	—	—		Faint M on the ⊙
	11·33·15	11·30·00	11·30·30	⊙	4·4	18·5	14·1	—	12·4	⊙ Clear.
		11·31·00	11·31·30	+	21·0	22·5	1·5	12·90		
		11·32·00	11·32·30	⊙	9·5	24·2	14·7	11·95		
		11·33·00	11·33·30	+	28·0	32·0	4·0	11·35		
		11·34·00	11·34·30	⊙	12·0	28·0	16·0	12·25		
		11·35.00	11·35·30	+	34·5	38·0	3·5	13·50		
		11·36·00	11·36·30	⊙	12·0	30·0	18·0	—		
JAN. 13TH, 1846.	12·33·15	12·30·00	12·30·30	⊙	9·0	23·0	14·0	—	13·3	
		12·31·00	12·31·30	+	23·9	24·0	+0·1	13·05		
		12·32·00	12·32·30	⊙	13·5	26·8	13·3	13·04		⊙ Clear
		12·33·00	12.33·30	+	28·0	27·8	- 0·2	13·07		
		12·34·00	12·34·30	⊙	9·4	23·2	13·8	13·02		
		12·35·00	12·35·30	+	25·5	27·0	+1·5	12·04		
		12·36·00	12·36·30	⊙	12·2	26·2	14·0	—		
JANUARY 14TH, 1846.	12·33·15	12·30·00	12·30·30	⊙	4·0	18·2	14·2	—	11·7	⊙ Clear
		12·31·00	12·31·30	+	20·6	22·5	1·9	11·70		
		12·32·00	12·32·30	⊙	11·8	25·0	13·2	10·65		
		12·33·00	12·33·30	+	28·8	32·0	3·2	10·70		
		12·34·00	12·34·30	⊙	11·9	27.5	14·6	11·90		
		12·35·00	12·35·30	+	35·0	37·2	2·2	13·40		
		12·36·00	12·36·30	⊙	17·9	34·5	16·6	—		
	1·35·15	1·32·00	1·32·00	⊙	10·2	24.0	13·8	12·09	12·6	⊙ Clear
		1·33·00	1·33·30	+	26·2	27·8	1·6	12·09		
		1·34·00	1·34·30	⊙	12·0	27·2	15·2	13·04		
		1·35·00	1·35·30	+	31·0	33.0	2·0	13·00		
		1·36·00	1·36.30	⊙	10·0	24·8	14·8	12·03		
		1·37·00	1·37·30	+	28·0	31·0	3·0	11·09		
		1·38·00	1·38·30	⊙	13·6	28·6	15·0	—		
JAN. 15TH, 1846.	7·33·15	7.30·00	7·30·30	⊙	23·0	29·6	6·6	—	5·5	
		7·31·00	7·31·30	+	31·0	31·3	+0·3	5·08		⊙ Clear
		7·32·00	7·32·30	⊙	36·4	42·0	5·6	5·00		
		7·33·00	7·33·30	+	43·0	44·0	+1·0	5·09		
		7·34·00	7·34·30	⊙	48·0	54·2	6·2	5·07		
		7·35·00	7·35·30	+	55·8	55·9	+0·1	5·09		
		7·36·00	7·36·30	⊙	51·2	57·0	5·8	—		

ACTINOMETER.

Date. Bombay Mean Time.	Time of Observation. Bombay, 1846.		Exposure, sun or shade.	Readings.		Change per ½ min. B.—A.	Radiation in parts of Scale.	Mean.	Remarks
	Initial.	Terminal.	⊙ +	A. Initial.	B. Terminal.				
H. M. S.	H. M. S.	H. M. S.							
JAN. 15TH, 1846. 8·33·15	8·30·00	8·30·30	⊙	31·0	42·2	11·2	—	9·7	⊙ Clear.
	8·31·00	8·31·30	+	45·8	47·5	1·7	9·8		
	8·32·00	8·32·30	⊙	14·8	26·7	11·9	9·8		
	8·33·00	8·33·30	+	29·9	32·5	2·6	9·6		
	8·34·00	8·34·30	⊙	11·3	23·9	12·6	9·8		
	8·35·00	8·35·30	+	26·9	30·0	3·1	9·4		
	8·36·00	8·36·30	⊙	7·6	20·0	12·4	—		
JANUARY 16TH, 1846. 8·33·15	8·30·00	8·30·30	⊙	17.0	27·0	10·0	—	9·6	⊙ Clear.
	8·31·00	8·31·30	+	28·9	30·1	1·2	9·4		
	8.32·00	8·32·30	⊙	40·0	51·3	11·3	10·1		
	8·33·00	8·33·30	+	54·0	55·2	1·2	10·0		
	8·34·00	8·34·30	⊙	21·0	32·2	11·2	9·6		
	8·35·00	8·35·30	+	34·0	36·0	2·0	8·8		
	8·36·09	8·36·30	⊙	46·0	56·5	10·5	—		
9·33·15	9·30·00	9·30·30	⊙	5·2	17·8	12·6	—	11·8	⊙ Clear
	9·31·00	9·31·30	+	24·0	25·5	1·5	11·6		
	9·32·00	9·32·30	⊙	8·8	22·5	13·7	11·8		
	9·33·00	9·33·30	+	25·2	27·4	2·2	12·0		
	9·34·00	9·34·30	⊙	10·0	24·8	14·8	12·2		
	9·35·00	9·35·30	+	29·0	32·0	3·0	11·6		
	9·36·00	9·36·30	⊙	11·5	26·0	14·5	—		
JANUARY 17TH, 1846. 8·33·15	8·30.00	8·30·30	⊙	14·0	24·0	10·0	—	9·3	⊙ Clear.
	8·31·00	8·31·30	+	26·0	28·0	2·0	8·9		
	8·32·00	8·32·30	⊙	17·0	28·8	11·8	9·6		
	8·33·00	8·33·30	+	31·9	34·4	2·5	9·3		
	8·34·00	8·34·30	⊙	21·1	33·0	11·9	9·2		
	8·35·00	8.35·30	+	39·0	42·0	3·0	9·4		
	8·36·00	8·36·30	⊙	53·0	65·9	12·9	—		
10·33·15	10·30·00	10·30·30	⊙	12·5	25·2	12·7	—	11·9	⊙ Clear.
	10·31·00	10·31·30	+	29·4	31·0	1·6	12·1		
	10·32·00	10·32·30	⊙	9·0	23·8	14·8	12·5		
	10·33·00	10·33·30	+	27·5	30·4	2·9	11·7		
	10·34·00	10·34·30	⊙	7·4	21·8	14·4	11·5		
	10·35·00	10·35·30	+	25·0	27·8	2·8	11·9		
	10·36·00	10·36·30	⊙	8·5	23·5	15·0	—		
JANUARY 19TH, 1846. 0·33·15	12·30·00	12·30·30	⊙	6·5	19·0	12·5	—	13·4	⊙ Clear.
	12·31·00	12·31·30	+	22·5	23·0	0·5	13·3		
	12·32·00	12·32·30	⊙	10·2	25·0	15·2	14·2		
	12·33·00	12·33·30	+	29·5	31·0	1·5	13·7		
	12·34.09	12·34·30	⊙	10·2	25·5	15·3	13·0		
	12·35·00	12·35·30	+	30·0	33·0	3·0	12·6		
	12·36·00	12·36·30	⊙	11·5	27·5	16·0	—		
2·33·15	2·30·00	2·30·30	⊙	12·4	25·6	13·2	—	10·7	⊙ Clear.
	2·31·00	2·31·30	+	29·2	31·2	2·0	11·8		
	2·32·00	2·32·30	⊙	9·5	24·0	14.5	11·6		
	2·33·00	2·33·30	+	27·5	31·4	3·9	10·1		
	2·34·00	2·34·30	⊙	10·8	24·2	13·4	9·8		
	2·35·00	2·35·30	+	28·0	31·4	3·4	10·3		
	2·36·00	2·36·30	⊙	11·4	25·5	14·1	—		
JAN. 20TH, 1846. 8·33.15	8·30·00	8·30·30	⊙	30·0	41·4	11·4	—	9·7	⊙ Clear.
	8·31·00	3·31·30	+	44·0	45·9	1·9	9·4		
	8·32·00	8·32·30	⊙	55·9	67·2	11·3	9·4		
	8·33·00	8·33·30	+	70·0	72·0	2·0	9·8		
	8·34·00	8·34·30	⊙	8·3	20·7	12·4	10·3		
	8·35.00	8·35·30	+	23·9	26·1	2·2	9·8		
	8·36·00	8·36·30	⊙	37·3	49·0	11·7	—		

ACTINOMETER.

Date	Bombay Mean Time.	Time of Observation. Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
JAN. 20TH, 1846.	9·33·15	9·30·00	9·30·30	⊙	5·0	17·0	12·0	—	9·9	⊙ Clear.
		9·31·00	9·31·30	+	20·5	23·5	3·0	9·3		
		9·32·00	9·32·30	⊙	9.4	22·0	12·6	10·1		
		9·33·00	9·33·30	+	24·5	26·4	1·9	10·8		
		9·34·00	9·34·30	⊙	11·5	24·4	12·9	10·5		
		9·35·00	9·35·30	+	27·0	29·8	2·8	9·6		
		9·36·00	9·36·30	⊙	12·5	25·5	12·0	—		
JANUARY 21ST, 1846.	8·33·15	8·30·00	8·30·30	⊙	19·0	30·0	11·0	—	9·2	⊙ Clear.
		8·31·00	8·31·30	+	32·9	35·1	2·2	8·9		
		8·32·00	8·32.30	⊙	46·6	57·9	11·3	8·8		
		8·33·00	8·33·30	+	61·2	64·0	2·8	9·1		
		8·34·00	8·34·30	⊙	9·0	21·6	12·6	9·7		
		8·35.00	8,35·30	+	25·9	29·0	3·1	9·5		
		8·36·00	8·36·30	⊙	6·8	19·4	12·6	—		
	9·33·15	9·30·00	9·30·30	⊙	2·0	14·2	12·2	—	10·7	⊙ Clear.
		9·31·00	9·31·30	+	17·5	18·5	1·3	11·0		
		9·32·00	9·32·30	⊙	8·5	21·0	12·5	10·6		
		9·33·00	9·33·30	+	24·0	26·5	2·5	10·4		
		9·34·00	9·34·30	⊙	8·5	22·0	13·5	10·7		
		9·35·00	9·35·30	+	26·0	29·0	3·0	10·7		
		9·36·00	9·36·30	⊙	9·5	23·5	14·0	—		
JANUARY 24TH, 1846.	9·38·15	9·35·00	9·35·30	⊙	28·0	42·0	14·0	—	10·9	⊙ Clear.
		9·36·00	9·36·30	+	46·5	50·0	3·5	10·5		
		9·37·00	9·37·30	⊙	3·0	17·0	14·0	11·0		
		9·38·00	9·38·30	+	24·0	26·5	2·5	11·5		
		9·39·00	9·39·30	⊙	9·0	23·0	14·0	10·9		
		9·40·00	9·40·30	+	27·4	31·0	3·6	10·4		
		9·41·00	9·41·30	⊙	10·5	24·5	14·0	—		
	10·33·15	10·30·00	10·30·30	⊙	12·5	27·2	14·7	—	12·6	⊙ Clear.
		10·31·00	10·31·30	+	31·0	32·0	1·0	13·3		
		10·32·00	10·32·30	⊙	9·5	23·5	14·0	12·8		
		10·33.00	10·33·30	+	28·2	29·5	1·3	12·7		
		10·34·00	10·34·30	⊙	10·5	24·5	14·0	12·2		
		10·35·00	10·35·30	+	28·8	31·0	2·2	12·2		
		10·36·00	10·36·30	⊙	9·5	24·5	15·0	—		
JANUARY 27TH, 1846.	12·33·15	12·30·00	12·30·30	⊙	1·5	16·2	14·7	—	12·9	⊙ Clear.
		12·31·00	12·31·30	+	19·0	20·3	1·3	14·4		
		12·32·00	12·32·30	⊙	10·3	27·0	16.7	14·2		
		12·33·00	12·33·30	+	30·5	34·2	3·7	12·6		
		12·34·00	12·34·30	⊙	6·0	22.0	16·0	12·2		
		12·35·00	12·35·30	+	27·0	30·8	3·8	11·3		
		12·36·00	12·36·30	⊙	11·2	25·5	14·3	—		
	1·33.15	1·30·00	1·30·30	⊙	8·0	23·4	15·4	—	13·3	⊙ Clear.
		1·31·00	1·31·30	+	27·4	29·2	1·8	13·7		
		1·32·00	1·32·30	⊙	12·1	27·8	15·7	13·8		
		1·33·00	1·33·30	+	31·9	34·0	2·1	13·2		
		1·34·00	1·34·30	⊙	11·0	26·0	15·0	12·9		
		1·35·00	1·35·30	+	29·2	31·4	2·2	13·0		
		1·36.00	1·36·30	⊙	14·0	29·4	15·4	—		
JAN. 28TH, 1846.	12·33·15	12·30·00	12·30·30	⊙	10·0	21·0	11·0	—	10·6	⊙ Clear.
		12·31·00	12·31·30	+	23·5	24·4	0·9	11·0		
		12·32·00	12·32·30	⊙	5·0	17·8	12·8	11·0		
		12·33·00	12·33·30	+	21·0	23·6	2·6	10·0		
		12·34·00	12·34·30	⊙	9·5	22·0	12·5	9·9		
		12·35·00	12·35·30	+	26·0	28·5	2·5	10·9		
		12·36·00	12·36·30	⊙	10·1	24·5	14·4	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
JAN. 28TH, 1846.	0.33.15	1·30·00	1·30·30	⊙	25·0	40·0	15·0	—	13·0	⊙ Clear.
		1·31·00	1·31·30	+	43·0	45·0	2·0	13·2		
		1·32·00	1·32·30	⊙	11·6	27·0	15·4	13 2		
		1·33·00	1·33·30	+	31·5	34·0	2·5	12·5		
		1·34.00	1·34·30	⊙	13·3	27·8	14·5	12.9		
		1·35·00	1 35·30	+	31·2	32·0	0·8	13·4		
		1·36·00	1·36·30	⊙	10·6	24·6	14·0	—		
JANUARY 29TH, 1846.	9·33·15	9·30.00	9·30·30	⊙	1·0	14·8	13·8	—	10·3	⊙ Clear.
		9·31.00	9·31·30	+	19·4	23·0	3·6	10·3		
		9·32·00	9·32·30	⊙	10·0	24·0	14·0	10·2		
		9·33·00	9·33·30	+	28·0	32·0	4·0	10·1		
		9.34·00	9·34·30	⊙	10·2	24·5	14·3	10·3		
		9·35·00	9·35·30	+	29·5	33 5	4·0	10·5		
		9·36·00	9·36·30	⊙	10·0	24·8	14·8	—		
	10·33·15	10·30·00	10·30·30	⊙	10 0	25·0	15·0	—	12·2	⊙ Clear.
		10.31·00	10·31·30	+	28.0	31·0	3·0	12·1		
		10·32·00	10·32·30	⊙	11·0	26·2	15·2	11·9		
		10·33.00	10·33·30	+	29·0	32·5	3·5	12·0		
		10·34·00	10·34·30	⊙	9·0	24·8	15 8	12·5		
		10·35·00	10·35·30	+	29·0	32·0	3·0	12·6		
		10·36·00	10.36·30	⊙	12·0	27·5	15·5	--		
JANUARY 30TH, 1846	8·33.15	8·30·00	8.30·30	⊙	12 0	21·9	9·9	—	8·2	⊙ Clear.
		8.31·00	8.31·30	+	24·0	26·0	2·0	8·3		
		8·32·00	8·32·30	⊙	35·0	45·7	10·7	8·3		
		8·33·00	8·33·30	+	48·0	50·9	2·9	7·9		
		8·34·00	8·34·30	⊙	11·9	22·9	11.0	8·5		
		8·35·00	8·35·30	+	25·9	28·0	2·1	8·9		
		8·36·00	8·36·30	⊙	39·0	50·1	11·1	—		
	9·33·15	9·30·00	9·30·30	⊙	4·0	16·2	12·2	—	9·8	⊙ Clear.
		9·31·00	9 31·30	+	18·8	25·2	6·4	6·2		
		9·32·00	9·32·30	⊙	8·8	21·8	13·0	8·6		
		9·33·00	9·33·30	+	24·7	27·0	2·3	11·4		
		9·34·00	9·34.30	⊙	8·0	22·4	14·4	11·7		
		9·35·00	9·35·30	+	26·0	29·0	3·0	11·3		
		9·36·00	9·36·30	⊙	6·5	20·8	14·3	—		
JANUARY 31ST, 1846.	8·33·15	8·30·00	8·30·30	⊙	17·0	29·7	12·7	—	9·5	⊙ Clear.
		8·31.00	8·31·30	+	32·2	34·7	2·5	9·3		
		8·32·00	8·32·30	⊙	13·0	24·0	11·0	8·5		
		8·33.00	8 33·30	+	27·0	29·5	2·5	9·0		
		8·34·00	8·34·30	⊙	12·0	24·0	12·0	9·9		
		8·35·00	8·35·30	+	27·3	29·0	1·7	10·8		
		8·36·00	8.36·30	⊙	10·0	23·0	13·0	—		
	9.33·15	9·30·00	9·30·30	⊙	4·0	15·5	11·5	—	11·1	⊙ Clear.
		9·31·00	9.31·30	+	18·2	19·0	0·8	11·4		
		9·32·00	9·32·30	⊙	10·0	23·0	13·0	10·8		
		9·33·00	9·33·30	+	25·8	27·4	1·6	11·6		
		9·34·00	9·34·30	⊙	10·0	23·5	13·5	10·4		
		9·35·00	9·35·30	+	26·5	29·0	2·5	11·2		
		9·36·00	9·36·30	⊙	12·2	26·2	14·0	—		
FEB. 2ND, 1846.	8·33·15	8·30·00	8·30·30	⊙	9·6	20·0	10·4	—	9·5	⊙ Clear.
		8·31·00	8·31·30	+	22·0	24·0	2·0	9·0		
		8·32·00	8·32·30	⊙	8·8	20·4	11·6	10·0		
		8·33.00	3·33·30	+	22.8	24·0	1·2	10·1		
		8·34·00	8·34·30	⊙	5·0	16·0	11·0	9·3		
		8·35·00	8·35·30	+	21·6	23·8	2·2	9·3		
		8.36·00	8·36·30	⊙	9·0	21·0	12·0	—		

ACTINOMETER.

Date. Bombay Civil Time.		Time of Observation. Bombay, 1846. Initial	Terminal	Exposure, sun or shade. + ⊙	Readings. A. Initial.	B. Terminal	Change per ½ min. B – A.	Radiation in parts of Scale.	Mean.	Remarks
	H. M. S.	H. M. S.	H. M. S.							
FEB. 2ND, 1846.	9·33·15	9·30·00	9·30·30	⊙	15·3	28·0	12·7	—	11·7	⊙ Clear.
		9·31·00	9·31·30	+	30·4	32.0	1·6	10·9		
		9·32·00	9·32·30	⊙	11·8	24·2	12·4	10·8		
		9·33·00	9·33·30	+	27·0	28.7	1·7	11·8		
		9·34·00	9·34·30	⊙	11.0	25·6	14·6	12·8		
		9·35·00	9·35·30	+	28·8	30·8	2·0	12·5		
		9·36·00	9·36·30	⊙	11·0	25·4	14·4	—		
FEBRUARY 3RD, 1846.	9·33·15	9·30.00	9·30·30	⊙	10·2	23·0	12·8	—	10·8	⊙ Clear.
		9·31·00	9·31·30	+	26·0	28·5	2·5	10·4		
		9·32·00	9·32.30	⊙	11·0	27·0	13·0	11·0		
		9·23·00	9·33·30	+	30·3	31·8	1·5	11·7		
		9·34·00	9·34·30	○	8·8	22·2	13·4	11·0		
		9·35·00	9·35·30	+	25·0	28·4	3·4	10·1		
		9·36·00	9·36·30	⊙	12·4	26·0	13·6	—		
	10·33·15	10·30·00	10·30 30	⊙	17·0	31·8	14·8	—	12·3	⊙ Clear.
		10·31·00	10·31·30	+	35·6	38·0	2·4	12·0		
		10·32·00	10·32·30	⊙	11·6	25·6	14·0	11·8		
		10·33·00	10·33·30	+	29·0	31·0	2·0	12·7		
		10·34·00	10·34·30	⊙	13·0	28·5	15·5	12·5		
		10·35·00	10·35·30	+	32·6	35·6	3·0	12·4		
		10·36·00	10·36·30	⊙	14·6	30 0	15·4	—		
FEBRUARY 4TH, 1846.	8·33·15	8·30·00	8·30·30	⊙	25.0	35·9	10·9	—	9·3	⊙ Clear.
		8·31·00	8·31·30	+	38·0	39·8	1·8	9·4		
		8·32·00	8.32·30	⊙	8·5	20·0	11.5	9·6		
		8·33·00	8·33·30	+	22·0	24·0	2·0	9·2		
		8·34·00	8.34·30	⊙	3·0	14·0	11·0	9·2		
		8·35.00	8·35·30	+	16·9	18·6	1·7	9·3		
		8·36·00	8·36·30	⊙	30·0	41·0	11·0	—		
	9·33·15	9·30·00	9·30·30	⊙	8·2	23·0	14·8	—	12·0	⊙ Clear.
		9·31·00	9·31·30	+	25·7	27·7	2·0	12·4		
		9·32·00	9·32 30	⊙	11·0	25·0	14·0	11·8		
		9·33·00	9·33·30	+	29·0	31·5	2·5	11·6		
		9·34·00	9·34·30	⊙	11·2	25.5	14·3	12·1		
		9·35·00	9·35·30	+	27·0	29·0	2·0	12·1		
		9·36·00	9·36·30	⊙	12·0	26·0	14·0	—		
FEBRUARY 5TH 1846.	8·33·15	8·30·00	8·30·30	⊙	12·5	24·0	11·5	—	9·9	⊙ Clear
		8·31·00	8·31·30	+	27·0	29·0	2·0	9·7		
		8·32·00	8·32·30	⊙	25·0	37·0	12·0	10·0		
		8·33·00	8·33·30	+	41·0	43·0	2·0	10·2		
		8·34·00	8·34·30	⊙	13·4	25·5	12·5	10·0		
		8·35·00	8·35·30	+	27·9	31·0	3·1	9·4		
		8·36·00	8·36·30	⊙	32·5	45·0	12·5	—		
	9·33·15	9·30·00	9·30·30	⊙	8·0	19·6	11·6	—	10·3	⊙ Clear
		9·31·00	9·31·30	+	22·8	25.2	2·4	9·6		
		9·32.00	9·32·30	○	13·0	25·5	12·5	9·9		
		9·33·00	9·33·30	+	29·2	32·0	2·8	10·0		
		9·34·00	9·34·30	⊙	9·4	22·6	13·2	10·7		
		9·35·00	9·35 30	+	26·8	29.0	2·2	11·4		
		9·36·00	9·36·30	⊙	11·0	25·0	14.0	—		
FEB. 6TH, 1846.	8·33·15	8·30·00	8·30·30	⊙	23·5	35·9	12·4	—	9·2	⊙ Clear.
		8·31·00	8·31·30	+	40·0	42·5	2·5	9·9		
		8·32·00	8·32.30	⊙	12·2	24·6	12·4	9 7		
		8.33·00	8·33.30	+	28·0	31·0	3·0	9·0		
		8·34·00	8·34·30	⊙	20·9	32·5	11.6	8·5		
		8·35·00	8·35·30	+	36·2	39·5	3·3	8·9		
		8·36·00	8·36·30	⊙	20·0	32·9	12·9	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun or shade. + ⊙	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
FEB. 6TH, 1846.	9·33·15	9·30·00	9·30·30	⊙	10·4	24·0	13·6	—	11·4	⊙ a little hazy.
		9·31·00	9·31·30	+	27·6	29·2	1·6	12·3		
		9·32·00	9·32·30	⊙	10·5	21·8	14·3	12·0		
		9·33·00	9·33·30	+	28·8	31·8	3·0	10·7		
		9·34·00	9·34·30	⊙	12·2	25·4	13·2	10·6		
		9·35·00	9·35·30	+	28·4	30·6	2·2	11·6		
		9·36·00	9·36·30	⊙	10·6	25·0	14·4	—		
FEBRUARY 7TH, 1846.	8·33·15	8·30·00	8·30·30	⊙	8·9	19·0	10·1	—	8·1	⊙ Clear
		8·31·00	8·31·30	+	21·0	23·9	2·9	7·6		
		8·32·00	8·32·30	⊙	7·0	18·0	11·0	8·3		
		8·33·00	8·33·30	+	21·0	23·7	2·7	8·3		
		8·34.00	8·34·30	⊙	5·9	17·0	11·1	8·3		
		8·35·00	8·35·30	+	20·0	23·0	3·0	8·3		
		8·36·00	8·36·30	⊙	8·2	19·7	11·5	—		
	9·33·15	9·30·00	9·30·30	⊙	11·4	25·2	13·8	—	11·4	⊙ Clear.
		9·31·00	9·31·30	+	29·2	32·0	2·8	11·2		
		9·32·00	9·32·30	⊙	10·8	25·0	14·2	11·5		
		9·33·00	9·33·30	+	29·2	31·8	2·6	11·7		
		9·34·00	9·34·20	⊙	13·0	27·4	14·4	11·6		
		9·35·00	9·35·30	+	31·8	34·8	3·0	11·0		
		9·36·00	9·36·30	⊙	10·5	24·0	13.5	—		
FEB. 11TH, 1846	9·33·15	9·30·00	9·30·30	⊙	7·2	22·0	14·8	—	11·9	⊙ Clear.
		9·31·00	9·31·30	+	27·0	30·3	3.3	11·6		
		9·32·00	9·32·30	⊙	11·0	26·0	15·0	11·4		
		9·33·00	9·33·30	+	31·0	35·0	4·0	11·6		
		9·34·00	9·34·30	⊙	13.0	29·2	16·2	12·2		
		9·35·00	9·35·30	+	34·1	38·0	3·9	12·4		
		9·36·00	9·36·30	⊙	13·8	30·3	16·5	—		
FEBRUARY 13TH, 1846	8·33·15	8·30·00	8·30·30	⊙	32·0	43·0	11·0	—	10·1	⊙ Clear.
		8·31·00	8·31·30	+	45·5	47·0	1·5	10·0		
		8·32·00	8·32·30	⊙	11·2	23·2	12·0	10·3		
		8·33·00	8·33·30	+	26·9	29·0	2·1	9·9		
		8·34·00	8·34·30	⊙	8·1	20·2	12·1	9·9		
		8·35·00	8·35·30	+	22·6	25·0	2·4	10·2		
		8·36·00	8·36·30	⊙	11.6	24·8	13·2	—		
	9·33·15	9·30·00	9·30·30	⊙	13·4	26·6	13·2	—	11·8	⊙ Clear
		9·31·00	9·31·30	+	29·3	32·2	2·9	10·3		
		9·32·00	9·32·30	⊙	9·7	23·0	13·3	10·8		
		9·33·00	9·33·30	+	26·2	28·4	2·2	11·9		
		9·34·00	9·34·30	⊙	11·1	26·0	14·9	12·7		
		9·35·00	9·35·30	+	29·5	31·6	2·1	13·1		
		9·36·00	9·36·30	⊙	10·5	26·0	15·5	—		
FEBRUARY 14TH, 1846.	8·33·15	8·30·00	8·30·30	⊙	36·0	49·9	13.9	—	9·1	⊙ Clear.
		8·31·00	8·31·30	+	53·0	56·0	3·0	10·2		
		8·32·00	8·32·30	⊙	8·8	21·4	12·6	9·7		
		8·33·00	8·33·30	+	25·1	28·0	2·9	9·9		
		8·34·00	8·34·30	⊙	5·9	19·0	13·1	9·7		
		8·35·00	8·35·30	+	23·0	27·0	4·0	8·9		
		8·36.00	8·36·30	⊙	38·5	51·2	12·7	—		
	9·33·15	9·30·00	9·30·30	⊙	14·0	28·0	14·0	—	11·4	⊙ Clear.
		9·31·00	9·31·30	+	32·0	35·0	3·0	11·4		
		9·32·00	9·32·30	⊙	9·6	24·5	14·9	11·9		
		9·33·00	9·33·30	+	27·0	30·0	3·0	11·6		
		9·34·00	9·34·30	⊙	13·4	27·8	14·4	11·0		
		9·35·00	9·35·30	+	31·0	34·8	3·8	11·1		
		9·36·00	9·36.30	⊙	11·4	26·8	15·4	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B−A.	Radiation in parts of Scale.	Mean	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
FEBRUARY 16TH, 1846.	8·33·15	8·30 00	8·30·30	⊙	35·0	46·4	11 6	—	9·0	⊙ Clear.
		8·31·00	8·31·30	+	48·0	50·0	2·0	8·8		
		8·32·00	8·32·30	⊙	30·0	40·0	10·0	7 6		A current of wind.
		8·33·00	8·33·30	+	43·0	45·9	2·9	8·6		
		8·34·00	8·34·30	⊙	57·0	70·0	13·0	10·5		
		8·35.00	8·35·30	+	72·9	75·0	2·1	10·4		
		8·36·00	8·36·30	⊙	71·0	83·0	12·0	—		
	10.33·15	10·30·00	10·30·30	⊙	7·0	22·3	15·3	—	13·0	
		10·31·00	10·31·30	+	26·0	28·2	2·2	12·8		
		10·32·00	10·32·30	⊙	11·2	26·0	14·8	12·4		
		10·33·00	10·33·30	+	30·4	33·0	2·6	13·1		⊙ a little hazy.
		10.34·00	10·34·30	⊙	12·2	28·8	16·6	13·7		
		10·35·00	10·35·30	+	31·8	35·0	3·2	13·2		
		10·36·00	10.36·30	⊙	12·8	29·0	16·2	—		
FEBRUARY 17TH, 1846.	8·33·15	8·30·00	8·30·30	⊙	6·4	18·0	11·6	—	9·6	⊙ Clear.
		8·31·00	8·31·30	+	20·7	22·9	2·2	9·7		
		8·32·00	8·32·30	⊙	14·7	26·9	12·2	9·7		
		8·33·00	8·33·30	+	31·0	33·9	2·9	9·5		
		8·34·00	8·34·30	⊙	39.8	52·5	12·7	9·4		
		8·35·00	8·25·30	+	56·0	59·7	3·7	9·7		
		8·36·00	8·36·30	⊙	12·0	26·2	14·2	—		
	9·33·15	9·30·00	9·30·30	⊙	8·6	26·0	17·4	—	11·7	
		9·31·00	9·31·30	+	29·3	32·4	3·1	13·1		
		9·32·00	9·32·30	⊙	12.0	27·0	15·0	11·2		
		9·33·00	9·33·30	+	30·8	35·3	4·5	10·5		⊙ a little hazy.
		9·34·00	9·34·30	⊙	12·8	27·8	15·0	11·6		
		9·35.00	9·35·30	+	30·2	32·5	2·3	12·3		
		9·36·00	9·36·30	⊙	13·0	27·2	14·2	—		
FEBRUARY 18TH, 1846.	8·33·15	8·30·00	8·30·30	⊙	4·8	18·0	13·2	—	11·3	
		8·31·00	8·31·30	+	22·0	24·5	2·5	10·8		
		8·32·00	8·32·30	⊙	9·0	22·5	13·5	10·8		⊙ Clear
		8·33·00	8.33·30	+	26·1	29·0	2 9	11·5		
		8·34·00	8·34·30	⊙	4·0	18·9	14·9	12·0		
		8·35·00	8·35·30	+	23·0	26·0	3·0	11·3		
		8·36·00	8·36·30	⊙	23·9	37·7	13·8	—		
	9·33·15	9·30·00	9·30·30	⊙	10·8	26·2	15·4	—	13·0	⊙ Clear
		9·31·00	9·31·30	+	29·6	31·4	1·8	13·0		
		9·32·00	9·32·30	⊙	10·5	24·8	14·3	12·4		
		9·33·00	9·33·30	+	30·4	32·5	2·1	12·9		
		9·34·00	9·34·30	○	12·2	28·0	15·8	13·8		
		9·35·00	9·35·30	+	31·0	33·0	2·0	12·7		
		9·36·00	9·36·30	⊙	17·8	31.4	13·6	—		
FEB. 19TH, 1846.	8·40·15	8·37·00	8·37·00	⊙	10·0	24·2	14·2	—	9·8	
		8·38·00	8·38·30	+	28·2	32·2	4·0	10·1		
		8·39·00	8·39·30	⊙	5·0	19·0	14·0	9·6		
		8·40·00	8·40·30	+	22.0	26·8	4·8	9·9		⊙ a little hazy
		8·41·00	8·41.30	⊙	9·0	24·5	15·5	10·4		
		8·42·00	8·42·30	+	29·0	34·5	5·5	9·2		
		8·43·00	8·43·30	⊙	9·5	23·5	14·0	—		
FEB. 21ST, 1846.	8·33·15	8.30·00	8·30·30	⊙	33·0	45·1	12·1	—	8·9	
		8·31·00	8·31·30	+	49·0	51·0	2·0	9·6		⊙ Clear.
		8·32·00	8·32·30	⊙	3·9	15.0	11·1	8·7		
		8·33·00	8·33·30	+	18·0	20·9	2·9	8·6		
		8·34·00	8·34·30	⊙	33·1	44·9	11·8	9·0		
		8·35·00	8·35·30	+	47·2	50·0	2·8	8·8		
		8·36·00	8·36·30	⊙	3·5	15·0	11 5	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun ⊙ or shade +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
FEB. 21st, 1846.	9·33·15	9·30·00	9·30·30	⊙	6·8	22·8	16·0	—	11·8	⊙ Clear.
		9·31·00	9·31·30	+	26·3	29·0	2·7	13·0		
		9·32·00	9·32·30	⊙	12·8	28·2	15·4	11·7		
		9·33·00	9·33·30	+	33·2	38·0	4·8	10·3		
		9·34·00	9·34·30	⊙	10·6	25·4	14·8	11·0		
		9·35·00	9·35.30	+	29·0	31·8	2·8	13·0		
		9·36.00	9·36·30	⊙	11·1	28·0	16·9	—		
FEBRUARY 23rd, 1846.	8·33·15	8·30·00	8·30·30	⊙	7·3	19·5	12·2	—	10·3	⊙ Clear.
		8·31·00	8·31·30	+	22·9	26·2	3·3	8·8		
		8·32·00	8·32·30	⊙	21·5	33 6	12·0	9·3		
		8·33·00	8·33·30	+	36·9	39 0	2·1	11·0		
		8·34·00	8·34·30	⊙	0·5	14 8	14·3	11·6		
		8·35·00	8·35·30	+	17·7	21·0	3·3	10·8		
		8·36·00	8·36·30	⊙	2·2	16·0	13·8	—		
	9·33·15	9 30·00	9·30·30	⊙	5·0	19·0	14·0	—	11·5	⊙ Clear.
		9·31·00	9·31·30	+	23·6	26·8	3·2	11·2		
		9·32·00	9·32·30	⊙	11·2	26·0	14·8	11·7		
		9·33·00	9·33·30	+	30·0	33·0	3·0	11·9		
		9·34·00	9·34·30	⊙	10·0	25·0	15·0	11·6		
		9·35·00	9·35·30	+	30·0	33·8	3·8	11·2		
		9·36·00	9·36·30	⊙	13·0	28·0	15·0	—		
FEBRUARY 24th, 1846.	9·33·15	9·30·00	9·30·30	⊙	4·6	18·0	13·4	—	11.0	⊙ a little hazy.
		9·31·00	9·31·30	+	21·4	24·0	2·6	11·2		
		9·32·00	9·32·30	⊙	8·0	22·2	14·2	11·3		
		9·33·00	9·33·30	+	25·8	29·0	3·2	10·8		
		9·34·00	9·34·30	⊙	10·2	24.0	13·8	10·4		
		9·35·00	9·35·30	+	29·4	33·0	3·6	11·2		
		9·36·00	9·36·30	⊙	9·4	25·2	15·8	—		
	10·33·15	10·30·00	10·30·30	⊙	12·8	26·8	14·0	—	14·1	⊙ a little hazy.
		10·31·00	10·31·30	+	30·0	32·2	2·2	13·7		
		10·32·00	10·32·30	⊙	9·2	27·0	17·8	16·0		
		10 33·00	10·33·30	+	30·6	32·1	1·5	14·8		
		10·34·00	10·34·30	⊙	9·8	24·6	14·8	13·0		
		10·35·00	10·35·30	+	27·6	29 8	2·2	12·8		
		10·36·00	10·36 30	⊙	8·4	23·6	15.2	—		
FEBRUARY 25th, 1846.	8·33·15	8·30·00	8·30·30	⊙	5·0	18·0	13·0	—	11·3	⊙ Clear.
		8·31·00	8 31·30	+	21·2	24·0	2·8	10·4		
		8·32·00	8·32·30	⊙	19·6	33·0	13·4	11·0		
		8·33·00	8·33·30	+	36·0	38·1	2·1	11·6		
		8·34·00	8 34·30	⊙	6·5	20·5	14·0	12·0		
		8·35·00	8·35·30	+	24·0	26·0	2·0	11·6		
		8·36·00	8·36·30	⊙	4·7	18·0	13·3	—		
	9·33·15	9·30 00	9·30·30	⊙	9·8	25·2	15·4	—	11·4	⊙ a little hazy.
		9·31·00	9·31·30	+	29·0	31·8	2·8	11·8		
		9·32·00	9·32·30	⊙	9·4	23·2	13·8	10·8		
		9·33·00	9·33·30	+	26·0	29·2	3·2	11·2		
		9·34·00	9.34·30	⊙	10·0	24·6	14·6	11·5		
		9·35·00	9·35·30	+	30·0	33·0	3·0	11·5		
		9·36·00	9·36·30	⊙	10·2	24·6	14·4	—		
FEB. 27th, 1846.	8·33·15	8·34·00	8·34·30	⊙	22·9	34·0	11·1	—	11·4	⊙ Clear.
		8·35·00	8.35·30	+	37·0	40·0	3·0	10·1		
		8·36·00	8·36·30	⊙	12·5	27·5	15·0	12·0		
		8·37·00	8 37·30	+	32·0	35·0	3·0	11·5		
		8·38·00	8·38·30	⊙	6·0	20·0	14.0	11·5		
		8·39·00	8·39·30	+	23·0	25·0	2·0	12·1		
		8·40·00	8·40·30	⊙	7·7	22·0	14·3	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Terminal.	Exposure, sun or shade. ⊙ +	Readings. A. Initial.	B. Terminal.	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. ST.	H. M. S.	H. M. S.							
FEB. 28TH, 1846.	8.33·15	8·30·00	8·30·30	⊙	24·8	35·7	10·9	—	10·4	⊙ Clear.
		8·31·00	8·31·30	+	38·7	40·4	1·7	10·3		Light Ni below.
		8·32·00	8·32·30	⊙	8·8	21·9	13·1	11·3		
		8·33·00	8·33·30	+	24·0	26·0	2·0	10·6		
		8·34·00	8·34·30	⊙	6·8	19·0	12·2	9·9		
		8·35·00	8·35·30	+	22·4	25·0	2·6	9·9		
		8·36·00	8·36·30	⊙	8·9	21·7	12·8	—		
MAR. 1ST, 1846.	12·33 15	12.30·00	12·30·30	⊙	9·0	26·0	17·0	—	15·7	
		12·31·00	12·31·30	+	28·8	31·0	2·2	15·7		
		12·32.00	12·32·30	⊙	13·0	31·8	18·8	16·9		⊙ Hazy.
		12·33·00	12·33·30	+	35·4	37·0	1·6	16·4		
		12·34·00	12·34·30	⊙	13·0	30·2	17·2	15·0		
		12·35·00	12·35·30	+	32·6	35·4	2·8	14·7		
		12·36·00	12·36·30	⊙	14·0	31·8	17.8	—		
MARCH 2ND, 1846.	9·33·15	9·30·00	9·30·30	⊙	16·0	29·0	13·0	—	12·5	⊙ Clear.
		9·31·00	9·31·30	+	33·0	35·5	2·5	12·0		
		9·32·00	9·32·30	⊙	7·9	23·9	16·0	12·8		
		9·33·00	9·33·30	+	27·0	31·0	4·0	12·5		
		9·34·00	9·34·30	⊙	4·0	21·0	17·0	12·8		
		9·35·00	9·35·30	+	26·5	31·0	4·5	12·4		
		9·36·00	9·36·30	⊙	18·2	35·0	16·8	—		
	10.33·15	10·30·00	10·30·30	⊙	9·8	26·0	16·2	—	12·8	⊙ a little hazy
		10·31·00	10·31·30	+	28·0	30·0	2·0	12·0		
		10·32·00	10·32·30	⊙	46·1	59·9	13·8	11·8		
		10·33·00	10·33·30	+	61·0	63·0	2·0	12·7		
		10·34·00	10·34·30	⊙	78·2	93·8	15·6	13·6		
		10·35·00	10·35·30	+	46·0	48·0	2·0	14·2		
		10·36·00	10·36·30	⊙	14·0	30·9	16·9	—		
MAR. 3RD, 1846.	11·33·15	11·30·00	11·30·30	⊙	41·3	58·0	16·7	—	13·8	⊙ Clear.
		11·31·00	11.31·30	+	63·0	66.7	3·7	13·4		" "
		11·32·00	11·32·30	⊙	2·0	19·5	17·5	13·9		" "
		11·33·00	11·33·30	+	24·5	28·0	3·5	13·7		" "
		11·34·00	11·34·30	⊙	2·0	19·0	17·0	13·8		" hazy.
		11·35·00	11·35·30	+	24·9	27·9	3·0	14·0		" "
		11·36·00	11·36·30	⊙	43·9	61·0	17·1	—		Light Ni came on the ⊙
MAR. 5TH, 1846.	12·33·15	12·30·00	12·30·30	⊙	1·0	17·0	16·0	—	12·8	⊙ a little hazy.
		12·31·00	12·31·30	+	22·0	25·7	3·7	13·6		
		12·32·00	12·32·30	⊙	3·7	22·0	18·3	14·3		
		12.33·00	12·33·30	+	28·6	33·0	4·4	12·1		
		12·34·00	12·34·30	⊙	6·8	22·5	15·7	11·5		
		12·35·00	12·35·30	+	28·0	32·0	4·0	12·3		
		12·36·00	12·36·30	⊙	12·0	29·0	17·0	—		
MARCH 6TH, 1846.	9·33·15	9·30·00	9·30·30	⊙	13·9	28·2	14·3	—	11·2	⊙ Clear.
		9·31·00	9·31·30	+	33·2	37·0	3·5	10·1		
		9·32·00	9·32·30	⊙	50·0	13·5	13·5	10·2		
		9·33·00	9·33·30	+	69·2	72·0	2·8	11·7		
		9·34·00	9·34·30	⊙	11·0	26·0	15·0	12·1		
		9·35·00	9·35·30	+	31·0	31·0	3·0	11·9		
		9·36·00	9·36·30	⊙	7·0	21·8	14·8	—		
	10·33·15	10·30·00	10·30·30	⊙	8·2	23·0	14·8	—	14·6	⊙ Clear
		10·31·00	10·31·30	+	19·0	19·7	0·7	14·2		
		10·32·00	10·32·30	⊙	6·4	21·5	15·1	13·8		
		10·33·00	10·33·30	+	24·0	25·9	1·9	14·2		
		10·34·00	10·34·30	⊙	10·0	27·2	17·2	15·8		
		10·35·00	10·35·30	+	30·0	31·0	1·0	15·1		
		10·36·00	10·36·30	⊙	16·0	31·0	15·0	—		

ACTINOMETER.

Date	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Time of Observation. Bombay, 1846. Terminal.	Exposure. sun ⊙ or shade +	Readings. A. Initial.	Readings. B. Terminal.	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
MARCH 6TH, 1846.	8·33·15	8·30·00	8·30·30	⊙	13·0	26·5	13·5	—	11·1	⊙ a little hazy.
		8·31·00	8·31·30	+	29·4	31·8	2·4	11·4		
		8·32·00	8·32·30	⊙	6·4	19·0	12·6	9·8		
		8·33·00	8·33·30	+	22·0	24·3	2·3	10·9		
		8·34·00	8·34·30	⊙	7·4	21·2	13·8	11·8		
		8·35·00	8·35·30	+	23·5	25·2	1·7	11·5		
		8·36·00	8·36·30	⊙	7·8	20·5	12·7	—		
	9·34·15	9·30·00	9·30·30	⊙	28·0	40·7	12·7	—	14.2	⊙ Clear.
		9·31·00	9·31·30	+	42·0	42·1	0·1	13·0		
		9.32·00	9·32·30	⊙	2·5	16·0	13·6	13·0		
		9·33·00	9·33·30	+	18·0	18·0	0·0	14·1		
		9·34·00	9·34·30	⊙	6·2	21·0	14·8	14·6		
		9·35·00	9·35·30	+	22·0	22·5	0·5	14·5		
		9·36·00	9·36·30	⊙	9·4	24·7	15·3	15·1		
		9·37·00	9·37·30	+	25·0	25·0	0·0	15·0		
		9·38·00	9·38·30	⊙	13·0	16·0	14·7	—		
MARCH 8TH, 1846.	8·33·15	8·30·00	8·30·30	⊙	3·0	16·0	13·0	—	9·7	⊙ Clear.
		8·31·00	8·31·30	+	20·0	23·8	3·8	9·7		
		8·32·00	8·32·30	⊙	8·0	22·0	14·0	9·8		
		8·33·00	8·33·30	+	26·5	31·0	4·5	9·3		
		8·34·00	8·34·30	⊙	9·0	23·0	14·0	9·6		
		8·35·00	8·35·30	+	28·0	32·2	4·2	9·8		
		8·36·00	8·36·30	⊙	12·2	26·2	14·0	—		
	9·33·15	9·30.00	9·30·30	⊙	5·1	21·0	15·9	—	13·0	⊙ Clear.
		9·31·00	9·31·30	+	23·0	25·2	2·2	13·7		
		9·32·00	9·32·30	⊙	8·1	24·0	15·9	13·3		A very light haze.
		9·33·00	9·33·30	+	28·0	31·0	3·0	12·9		
		9·34·00	9·34·30	⊙	7·0	23·0	16·0	12·5		
		9·35·00	9.35·30	+	23·9	27·9	4·0	12·5		
		9·36·00	9·36·30	⊙	15·0	31·9	16·9	—		
MARCH 9TH, 1846.	8·32·15	8·30·00	8·30·30	⊙	9·4	22·0	12·6	—	9·5	⊙ Clear.
		8·31·00	8·31·30	+	26·5	30·0	3·5	9·55		
		8·32·00	8·32·30	⊙	0·5	14·0	13·5	6·65		
		8·33·00	8·33·30	+	18·0	22·2	4·2	9·30		
		8·34·00	8·34·30	⊙	10·0	23·5	13·5	—		
	9·34·15	9·30·00	9·30·30	+	3·7	17·8	14·1	—	13·2	⊙ Clear.
		9·31·00	9·31·30	⊙	20·9	22·4	1·5	13·3		
		9·32·00	9·32·30	⊙	4·4	19·9	15·5	13·4		
		9·33·00	9·33·30	+	23·0	25·7	2·7	12.4		
		9·34·00	9·34·30	⊙	10·3	25·0	14·7	12·1		
		9·35·00	9·35·30	+	28·3	30·8	2·5	12·6		
		9·36.09	9·36·30	⊙	9·0	26·5	17·5	14·9		
		9·37·00	9·37·30	+	31·2	34·0	2·8	13·9		
		9·38·00	9·38·30	⊙	10·0	26·0	16·0	—		
	10·33·15	10·30·00	10·30·30	⊙	1·0	16·7	15·7	—	14·6	⊙ Clear
		10·31·00	10·31·30	+	18·2	19·2	1·0	14·4		
		10·32·00	10·32·30	⊙	9·0	24·0	15·0	14·0		
		10·33·00	10·33·30	+	27·0	28·0	1·0	14·5		
		10·34·00	10·34·30	⊙	3·9	20·0	16·1	15·0		
		10·35·00	10·35·30	+	21·7	22·9	1·2	15·0		
		10·36·00	10·36·30	⊙	3·7	20·0	16·3	—		
MAR. 11TH, 1846.	2·33.15	2·30·00	2·30·30	⊙	8·8	22·4	13·6	—	12·6	⊙ Clear.
		2·31·00	2·31·30	+	25·8	27·8	2·0	12·0		
		2·32·00	2·32·30	⊙	8·0	22·4	14·4	13·4		
		2·33·00	2·33·30	+	25·8	25·8	0·0	14·7		
		2·34·00	2·34·30	⊙	8·8	23·8	15·0	12·8		
		2·35.00	2·35·30	+	25·4	29·8	4.4	9·9		
		2·36·00	2·36·30	⊙	11·4	23·0	11·6	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun or shade. + ⊙	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
MARCH 12TH, 1846.	8·33·15	8·30 00	8·30·30	⊙	7·5	19·8	12·3	—	10·3	⊙ Clear.
		8·31·00	8·31·30	+	23·8	25·9	2·1	10·1		
		8·32·00	8·32·30	⊙	9·0	21·4	12·4	9·8		
		8·33·00	8·33·30	+	25·0	28·0	3·0	9·9		
		8·34·00	8·34·30	⊙	9·5	23·0	13·5	10·7		
		8·35.00	8·35·30	+	27·2	29·8	2·6	10·7		
		8·36·00	8·36·30	⊙	9·8	23·0	13·2	—		
	9.33·15	9·30·00	9·30·30	⊙	18·9	32·9	14·0	—	12·7	⊙ Clear.
		9·31·00	9·31·30	+	35·5	37·0	1·5	12·7		
		9·32·00	9·32·30	⊙	7·7	22·2	14·5	12·5		
		9·33·00	9·33·30	+	25·9	28·5	2·6	12·5		
		9.34·00	9·34·30	⊙	23·0	38·7	15·7	13·0		
		9·35·00	9·35·30	+	41·0	43·9	2·9	13·0		
		9·36·00	9.36·30	⊙	7·0	23 0	16·0	—		
MACRH 17TH, 1846.	8·33·15	8·30·00	8·30·30	⊙	3·0	15·8	12·8	—	10·0	⊙ Clear.
		8·31·00	8·31·30	+	19·2	22·5	3·3	9·7		" "
		8·32·00	8·32·30	⊙	7·0	20·2	13·2	10·2		" "
		8·33·00	8·33·30	+	24·5	27·2	2·7	10·8		" "
		8·34·00	8·34·30	⊙	10.2	23·5	13·3	10·3		⊙ Cloudy for about 5s.
		8·35·00	8·35·30	+	28·0	31·2	3·2	9·8		" "
		8·36·00	8·36·30	⊙	10·4	23·2	12·8	—		
	11·33·15	11·30·00	11·30·30	⊙	9·5	23·5	14·0	—	12·8	
		11·31·00	11·31·30	+	25·0	26·2	1·2	12·5		
		11·32·00	11·32·30	⊙	13·5	27·0	13·5	12·5		Gauze-like mist
		11·33·00	11·33·30	+	30·0	30·8	0·8	13·2		
		11·34·00	11·34·30	⊙	11·5	26·0	14·5	13·1		
		11·35.00	11·35·30	+	28·2	30·2	2·0	12·5		
		11·36·00	11·36·30	⊙	12·5	27·0	14·5	—		
	12·33·15	12·30·00	12·30·30	⊙	13·8	30·0	14·2	—	13·7	
		12·31·00	12·31·30	+	32·5	31·8	- 0·7	14·5		Light mist
		12·32·00	12·32·30	⊙	11·0	24·5	13·5	13·4		" "
		12·33·00	12.33·30	+	25·0	25·5	0·5	13·0		" "
		12·34·00	12·34·30	⊙	11·5	25·0	13·5	23·5		" "
		12·35·00	12·35·30	+	23·0	22·5	- 0·5	14·2		" "
		12·36·00	12·36·30	⊙	11·0	25·0	14·0	—		" "
MARCH 19TH, 1846.	11·33·15	11·30·00	11·30·30	⊙	15·5.	32·0	16·5	—	15·3	
		11·31·00	11·31·30	+	35·0	36·8	1·8	14·9		
		11·32·00	11·32·30	⊙	13·0	30·0	17·0	15·6		
		11·33·00	11·33·30	+	32·5	34·5	2·0	15·2		⊙ Clear.
		11·34·00	11·34·30	⊙	13 0	30·5	17·5	15·4		
		11·35·00	11·35·30	+	33·0	35·2	2·2	15 5		
		11·36·00	11·36·30	⊙	13·0	31·0	18·0	—		
	12·33·15	12·30·00	12·30·00	⊙	12·0	25·0	13·0	—	14·6	
		12·31·00	12·31·30	+	28.0	25·0	- 3·0	16·0		
		12·32·00	12·32·30	⊙	10·0	23·0	13·0	15·0		
		12·33·00	12·33·30	+	24·0	23·0	- 1·0	13·7		A light haze.
		12·34·00	12·34.30	⊙	12·0	24·5	12·5	13·5		
		12·35·00	12·35·30	+	25·0	24·0	- 1·0	14·7		
		12·36·00	12·36·30	⊙	11·0	26·0	15·0	—		
MAR. 20TH, 1846.	8·33·15	8.30·00	8·30·30	⊙	5·5	19·5	14·0	—	11·3	
		8·31·00	8·31·30	+	24·0	27·2	3·2	11·2		
		8·32·00	8·32·30	⊙	12·0	26·8	14·8	11·6		
		8·33·00	8·33·30	+	30·8	34·0	3·2	11·4		⊙ Clear.
		8·34·00	8·34·30	⊙	11·0	25·5	14·5	11·2		
		8·35·00	8·35·30	+	29·9	33·2	3·3	11·2		
		8·36·00	8·36·30	⊙	10·0	24·5	14·5	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Time of Observation. Bombay, 1846. Terminal.	Exposure, sun or shade. ⊙ +	Readings. A. Initial.	Readings. B. Terminal.	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
MAR. 20TH, 1846.	11.33.15	11·30·00	11·30·30	⊙	14·0	30·0	16·0	—	14·6	⊙ Clear.
		11·31·00	11·31·30	+	31·8	33·0	1·2	14·5		
		11·32·00	11·32·30	⊙	13·5	29·0	15·5	14·3		
		11·33·00	11·33·30	+	31.0	32·2	1·2	14·5		
		11·34.00	11·34·30	⊙	12·0	28·0	16·0	15·0		
		11·35·00	11·35·30	+	30·2	31·0	0·8	14·9		
		11·36·00	11·36·30	⊙	13·0	28·6	15·5	—		
MARCH 22ND, 1846.	8·33·15	8·30.00	8·30·30	⊙	7·0	22·5	15·5	—	11·8	
		8·31.00	8·31·30	+	26.8	30·5	3·7	11·7		
		8·32·00	8·32·30	⊙	9·5	24·8	15·3	11·8		
		8·33·00	8·33·30	+	29·2	32·4	2·2	11·9		
		8.34·00	8·34·30	⊙	11·0	26·0	15·0	—		
	11·33·15	11·30·00	11·30·30	⊙	16 0	32·0	16·0	—	15·5	
		11.31·00	11·31·30	+	33·8	34·8	0·2	15·8		
		11·32·00	11·32·30	⊙	15·0	31·0	16·0	15·4		
		11·33.00	11·33·30	+	32·0	33·0	1·0	15·2		
		11·34·00	11·34·30	⊙	15·0	31·5	16·5	15·5		
		11·35·00	11·35·30	+	32·5	33·5	1·0	15·5		
		11·36·00	11.36·30	⊙	15·0	31·5	16·5	--		
MARCH 23RD, 1846.	8·33.15	8·30·00	8.30·30	⊙	11·5	27·5	16·0	—	11·9	⊙ a little hazy.
		8.31·00	8.31·30	+	33·0	37·5	4·5	11·8		
		8·32·00	8·32·30	⊙	11·8	28·5	16·7	12.2		
		8·33·00	8·33·30	+	33·0	37·5	4·5	12·1		
		8·34·00	8·34·30	⊙	12·0	28·5	16·5	11·9		
		8·35·00	8·35·30	+	32·7	36·0	4·7	11.6		
		8·36·00	8·36·30	⊙	10·0	25·8	15·8	—		
	11·33·15	11·30·00	11·30·30	⊙	14·0	30·5	16·5	—	16·4	⊙ Clear.
		11·31·00	11·31·30	+	30·5	31·0	0·5	16·0		
		11·32·00	11·32·30	⊙	13·0	29·5	16·5	16·0		
		11·33·00	11·33·30	+	26·5	27·0	0·5	16·0		
		11·34·00	11·34.30	⊙	13·5	30·0	16·5	16·7		
		11·35·00	11·35·30	+	28·0	26 5	1·0	17·2		
		11·36·00	11·36·30	⊙	13·0	29·0	16·0	—		
MARCH 24TH, 1846.	8·33·15	8·30·00	8·30·30	⊙	8·0	21·8	13·8	—	11·0	⊙ Clear.
		8·31.00	8·31·30	+	25 0	27·5	2·5	11·1		
		8·32·00	8·32·30	⊙	11·5	25·0	13·5	10·9		
		8·33.00	8·33·30	+	28·2	30·9	2·7	11.0		
		8·34·00	8·34·30	⊙	12·0	25 9	13·9	10.9		
		8·35·00	8·35·30	+	29.3	32·6	3·3	10·9		
		8·36·00	8.35·30	⊙	11.2	25·8	14·6	—		
	11·33·15	11·30·00	11·30·30	⊙	14·5	30·0	15·5	—	15·3	Gauze-like mist throughout the time of these observations
		11·31·00	11.31·30	+	30·8	30·2	– 0.6	16·1		
		11·32·00	11·32·30	⊙	10·0	25·5	15.5	15·0		
		11·33·00	11·33·30	+	24·8	25.5	0·7	14·8		
		11·34·00	11·34·30	⊙	12·5	28·0	15·5	15·0		
		11·35·00	11·35·30	+	27·5	27·5	0·0	15·5		
		11·36·00	11·36·30	⊙	10·5	26·0	15·5	—		
MAR. 25TH 1846.	9·33·15	9·30·00	9·30·30	⊙	8.8	23·2	14·4	—	12·6	Very thin mist on the ⊙
		9·31·00	.9·31·30	+	26·5	29·0	2·5	12·2		
		9·32·00	9·32·30	⊙	12·0	27·0	15·0	12·5		
		9·33.00	9·33·30	+	30·1	32·5	2·4	12·6		
		9·34·00	9·34·30	⊙	12·2	27·3	15·1	12·7		
		9·35·00	9·35·30	+	30·5	32·8	2·3	13·2		
		9.36·00	9·36·30	⊙	13·0	29·0	16·0	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure. sun or shade. ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
MARCH 26TH, 1846.	8·33·15	8·30·00	8·30·30	⊙	9·0	21·9	12·9	—	11·0	Light \\ on the ⊙
		8·31·00	8·31·30	+	25·0	28·0	3·0	10·4		
		8·32·00	8·32·30	⊙	9·0	23·0	14.0	11·1		
		8·33·00	8·33·30	+	26·2	29·0	2·8	11·1		
		8·34·00	8·34·30	⊙	10·6	24·4	13·8	10·7		
		8·35·00	8·35·30	+	27·2	29·5	2·3	11·6		
		8·36·00	8·36·30	⊙	11·5	25·5	14·0	—		
	11·33·15	11·30·00	11·30·30	⊙	14·5	28·0	13·5	—	14·3	Light haze in the zenith.
		11·31·00	11·31·30	+	28·0	28·0	0·0	13·7		
		11·32·00	11·32.30	⊙	12·0	26·0	14·0	14·2		
		11·33·00	11·33·30	+	25·5	25·0	- 0·5	14·5		
		11·34·00	11·34·30	⊙	10·0	24·0	14·0	14·5		
		11·35.00	11.35·30	+	23·0	22·5	- 0·5	14·5		
		11·36·00	11·36·30	⊙	10·5	24·5	14.0	—		
MAR. 27TH, 1846.	8·33·15	8·30·00	8·30·30	⊙	5·0	18·5	13·5	—	11·3	⊙ Clear.
		8·31·00	8·31·30	+	23·2	26·2	3·0	10·5		
		8·32·00	8·32·30	⊙	11·2	20·7	13·5	10·9		
		8·33·00	8·33·30	+	27·5	29·6	2·1	11·6		
		8·34·00	8·34·30	⊙	11·5	25·5	14·0	11·8		
		8·35·00	8·35·30	+	28·8	31·0	2·2	11·7		
		8·36·00	8·36·30	⊙	12·0	25·8	13·8	—		
MAR. 28TH, 1846.	12·38·15	12·35·00	12·35·30	⊙	44·0	44·0	0·0	—	15·3	⊙ Clear.
		12·36·00	12·36·30	+	25·1	41·0	15·9	15·9		
		12·37·00	12·37·30	⊙	41·0	41·0	0·0	15·7		
		12·38·00	12·38·30	+	35·3	50·9	15·6	15.4		
		12·39·00	12·39·30	⊙	51·1	51·5	0.4	14·7		
		12·40·00	12·40·30	+	36·3	51·0	14·7	14·7		
		12·41·00	12·41·30	⊙	50·3	49·8	0·5	—		
MARCH 29TH, 1846.	8·33·15	8·30·00	8·30·30	⊙	27·0	42·0	15·0	—	12·0	
		8·31·00	8·31·30	+	45·5	48·0	2·5	12·7		
		8·32·00	8·32·30	⊙	10·5	25·0	15·5	12·9		
		8·33.00	8·33·30	+	28·5	31·2	2·7	12·1		
		8·34·00	8·34·30	⊙	11·6	25·8	14·2	11·5		
		8 35·00	8 35·30	+	28·4	31·2	2·8	10·9		
		8 36·00	8·36·30	⊙	11·0	24·2	13·2	—		
	11·33·15	11·30·00	11·30·30	⊙	10·2	26·0	15·8	—	12·6	⊙ Clear.
		11·31 00	11·31·30	+	29·0	30·0	1·0	13·6		
		11·32·00	11·32·30	⊙	6·9	20·3	13·4	12·1		
		11·33·00	11·33·30	+	21·3	22·9	1·6	12·1		
		11·34·00	11·34·30	⊙	32·6	46·6	14·0	12·7		
		11·35·00	11·35·30	+	49·0	50·0	1·0	12·8		
		11·36·00	11·36·30	⊙	9·0	22·7	13·7	—		
MARCH 30TH, 1846.	8·33.15	8·30·00	8·30·30	⊙	5·2	19·3	14·1	—	11·6	⊙ Clear
		8·31·00	8·31·30	+	23·3	26·4	3·1	11·5		
		8·32·00	8·32·30	⊙	10·8	26·0	15·2	12·2		
		8·33·00	8·33·30	+	30·4	33·2	2·8	12·1		
		8·34·00	8·34·30	⊙	11·4	26·0	14·6	11·2		
		8·35·00	8·35·30	+	30·2	34·2	4·0	10·8		
		8·36.00	8·36·30	⊙	11·4	26·5	15·1	—		
	9·33·15	9·30·00	9·30·30	⊙	20·0	36·9	16·9	—	15·1	⊙ Clear.
		9·31·00	9·31·30	+	39·8	40·9	1·1	15·3		
		9·32·00	9·32·30	⊙	5·0	21·0	16·0	15·0		
		9·33·00	9·33·30	+	23·0	24·0	1·0	15·0		
		9·34·00	9·34·30	⊙	5·0	21·0	16·0	15·0		
		9·35·00	9·35·30	+	24·0	25·0	1·0	15·2		
		9·36·00	9·36·30	⊙	6·0	22·5	16·5	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
MARCH 31st, 1846.	11·37·15	11·30·00	11·30·30	⊙	10·1	24·8	14·7	—	12·2	⊙ a little hazy.
		11·31·00	11·31·30	+	27·0	29·0	2·0	13·7		
		11·32·00	11·32·30	⊙	10·0	26·0	16·0	13·5		
		11·33·00	11·33·30	+	29.0	32·0	3·0	12·6		
		11·34·00	11·34·30	⊙	14·9	30·1	15·2	11·7		
		11·35·00	11·35·30	+	36·0	40·0	4·0	11·5		
		11·36·00	11·36·30	⊙	13·3	29·0	15·7	11·3		
		11·37·00	11·37·30	+	35·0	40·0	4·9	11·5		
		11·38·00	11 38·30	⊙	12·9	30·1	17·2	13·3	16·4	
		11·39·00	11·39·30	+	35·0	38·0	3·0	16·6		
		11·40·00	11·40·30	⊙	11·0	33·0	22·0	18·7		
		11·41.00	11·41·30	+	37·0	40·6	3·6	17·9		
		11·42·00	11·42·30	⊙	5·0	26·0	21·0	17·0		
		11·43·00	11·43·30	+	30·5	35·0	4·5	14·7		
		11·44·00	11·44 30	⊙	15·7	33·1	17·4	—		
APRIL 3rd, 1846.	11·33·15	11·30·00	11·30·30	⊙	8·5	26·9	18·4	—	15·5	⊙ Clear.
		11·31·00	11·31·30	+	32·0	35·5	3·5	14·9		
		11·32·00	11·32·30	⊙	12·2	30·7	18·5	14·5		
		11·33·00	11·33·30	+	37·0	41·5	4·5	14·2		
		11·34·00	11·34·30	⊙	10·9	29·1	18·2	14·2		
		11·35·00	11·35·30	+	34·5	38·0	3·5	14·6		
		11·36·00	11·36·30	⊙	12·1	30.1	18·0	—		
APRIL 4th, 1846.	12·33·15	12·30·00	12·30·30	⊙	0·5	16·3	15·8	—	16·5	⊙ Clear.
		12·31·00	12·31·30	+	18·0	17·0	1·0	17·1		
		12·32·00	12·32·30	⊙	13·6	30·0	16·4	18·1		
		12·33·00	12·33·30	+	30·0	28·5	2·5	17·6		
		12·34·00	12·34·30	⊙	18·0	31.9	13·9	15·2		
		12·35·00	12·35·30	+	32·0	32·0	0·0	14 9		
		12·36·00	12·36·30	⊙	1·0	17·0	16·0	—		
APRIL 5th, 1846.	10·33·15	10·30·00	10·30·30	⊙	17·9	34·0	16·1	—	14·6	⊙ Clear.
		10·31·00	10·31·30	+	40·0	44·0	4·0	13·1		
		10·32·00	10·32·30	⊙	6·9	25·0	18·1	14·8		
		10·33·00	10·33·30	+	31·0	33·7	2·7	15·3		
		10·34·00	10·34·30	⊙	12·0	30·0	18·0	14·6		
		10·35·00	10·35·30	+	36·0	40·2	4·2	15·0		
		10·36·00	10·36·30	⊙	10·3	30·0	20·3	—		
APRIL 6th, 1846.	8·33·15	8·30·00	8·30·30	⊙	7·4	21·4	14·0	—	11·8	⊙ Clear.
		8·31·00	8·31·30	+	27·0	29·5	2·5	11·7		
		8·32·00	8·32·30	⊙	7·5	22·0	14·5	11·8		
		8·33·00	8·33·30	+	25·6	28·5	2·9	11·8		
		8·34·00	8·34·30	⊙	10·5	25·4	14·9	12·2		
		8·35·00	8·35·30	+	29·0	31.5	2·5	11·6		
		8·36·00	8·36·30	⊙	12·2	27·0	14·8	—		
	9·33·15	9·30·00	9·30·30	⊙	3·9	20·9	17·0	—	14·4	⊙ Clear.
		9·31·00	9·31·30	+	24·0	25·0	1.0	14·6		
		9·32·00	9·32·30	⊙	5·8	20·1	14·3	13·1		
		9·33·00	9·33·30	+	23·5	25·0	1·5	13·6		
		9·34·00	9·34·30	⊙	11·0	26·9	15·9	15·1		
		9·35·00	9·35·30	+	29·0	29·1	0·1	15·5		
		9·36.00	9·36·30	⊙	8·0	23·3	15·3	—		
APRIL 7th, 1846.	8·33·15	8·30·00	8·30·30	⊙	7·0	21·8	14·8	—	11·6	⊙ a little hazy.
		8·31·00	8·31·30	+	26·2	29·5	3·3	11·9		
		8·32·00	8·32·30	⊙	9·9	25·5	15·6	12·1		
		8·33·00	8·33·30	+	30·2	33·8	3·6	11·5		
		8·34·00	8·34·30	⊙	11·2	26·5	14·7	10·7		
		8·35·00	8·35·30	+	29·9	33·2	3·3	11·9		
		8·36·00	8·36.30	⊙	9·5	25·2	15·7	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Terminal	Exposure, sun or shade. + ⊙	Readings. A. Initial.	B. Terminal.	Change per ½ m'n. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
APRIL 7TH, 1846.	9·33·15	9·30·00	9·30·30	⊙	64·8	79·0	14·2	—	14·5	⊙ Clear.
		9·31·00	9·31·30	+	81·0	82·0	1·0	13·9		
		9·32·00	9·32·30	⊙	13·1	28·8	15·7	14·7		
		9·33·00	9·33·30	+	32·0	33·0	1·0	14·9		
		9·34·00	9·34·30	⊙	5·0	21·0	16·0	14·7		
		9·35·00	9·35·30	+	22·9	24·6	1·7	14·3		
		9·36·00	9·36·30	⊙	18·8	34 9	16·1	—		
APRIL 8TH, 1846.	8·33·15	8·30.00	8·30·30	⊙	2·4	15·9	13·5	—	10·6	⊙ Clear.
		8·31·00	8·31·30	+	22·2	26 0	4·2	9·4		
		8·32·00	8·32.30	⊙	6·0	19·7	13·7	10·1		
		8·23·00	8·33·30	+	24·0	27·0	3·0	11·1		
		8·34·00	8·34·30	O	11·2	25·7	14·5	11·1		
		8·35·00	8·35·30	+	30·5	34·2	3·7	11·3		
		8·36·00	8·36·30	⊙	13·0	28·5	15·5	—		
APRIL 9TH, 1846.	10·33·15	10·30·00	10·30 30	⊙	7·2	24·0	16·8	—	13·9	⊙ Clear.
		10·31·00	10 31·30	+	28·0	31·7	3·7	12·8		
		10·32·00	10·32·30	⊙	13·9	30·2	16·3	12·4		
		10·33·00	10·33·30	+	36·2	40·2	4·2	13·6		
		10·34·00	10·34·30	⊙	5·7	25·0	19.3	15·2		
		10·35·00	10·35·30	+	31·0	35·0	4·0	15·4		
		10·36·00	10·36·30	⊙	8·0	27.5	19·5	—		
	11·33·15	11·30·00	11·30·30	⊙	2·2	17·5	15·3	—	16·5	⊙ Clear.
		11·31·00	11·31·30	+	18·0	18·0	0·0	15·9		
		11·32·00	11.32·30	⊙	3·5	20·0	16·5	16·5		
		11·33·00	11·33·30	+	20·0	20·0	0·0	16·8		
		11·34·00	11.34·30	⊙	4·0	21·0	17·0	16·9		
		11·35.00	11·35·30	+	23·0	23·2	0·2	16·6		
		11·36·00	11·36·30	⊙	7·0	23·6	16·6	—		
APRIL 10TH, 1846.	8·33·15	8·30·00	8·30·30	⊙	8·0	21·5	13·5	—	11·2	⊙ Clear.
		8·31·00	8·31·30	+	25·2	28·5	3·3	10·5		
		8·32·00	8·32 30	⊙	10·0	24·2	14·2	10·9		
		8·33·00	8·33·30	+	28·0	31·3	3·3	11·3		
		8·34·00	8·34 30	⊙	13·0	28·0	15·0	11·6		
		8·35·00	8·35·30	+	32·4	35·8	3·4	11·6		
		8·36·00	8·36·30	⊙	12·5	27·5	15·0	—		
	10·33·15	10·30·00	10·30·30	⊙	0·0	13·3	13·3	—	14·6	⊙ Clear
		10·31·00	10·31·30	+	15·1	15·1	0·0	13·7		
		10·32·00	10·32·30	⊙	5·0	19·1	14·1	13·4		
		10·33·00	10·33·30	+	21·0	22·5	1·5	15·0		
		10·34·00	10·34·30	⊙	7·1	24·0	16·9	15·4		
		10·35·00	10·35·30	+	26·4	27·9	1·5	15·5		
		10·36·00	10·36·30	⊙	4·0	21·1	17·1	—		
APRIL 12TH, 1846.	8·33·15	8·30·00	8·30·30	⊙	9·7	24·0	14·3	—	11·3	⊙ Clear.
		8·31·00	8·31·30	+	28·2	31·4	3·2	11·2		
		8·32.00	8·32·30	⊙	12·4	27·0	14·6	10·9		
		8·33·00	8·33·30	+	31·0	35·2	4·2	10·3		
		8·34·00	8·34·30	⊙	10·5	25·0	14·5	11·3		
		8·35·00	8·35 30	+	29·5	31·6	2 1	12·6		
		8·36·00	8·36·30	⊙	11·5	26·5	15·0	—		
	9·33·15	9·30·00	9·30·30	⊙	3·5	17·9	14·4	—	13·2	⊙ Clear
		9·31·00	9·31·30	+	20·0	21·9	1·9	12·7		
		9·32·00	9·32.30	⊙	5·5	20·3	14·8	12·8		
		9.33·00	9·33.30	+	27·9	30·0	2·1	13·1		
		9·34·00	9·34·30	⊙	12·9	28·5	15·6	14·0		
		9·35·00	9·35·30	+	31·7	32·9	1·2	13·5		
		9·36·00	9·36·30	⊙	9.9	23·6	13·7	—		

ACTINOMETER.

Date. Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun or shade ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	Initial.	Terminal.		A. Initial.	B. Terminal.				
H. M. S.	H. M. S.	H. M. S.							
APRIL 14TH, 1846. 12·33·15	12·30·00	12·30·30	⊙	33·5	52·0	18·5	—	14·4	⊙ Clear.
	12·31·00	12·31·30	+	58·0	62·0	4·0	14·1		
	12·32·00	12·32·30	⊙	4·3	22·0	17·7	14·2		
	12·33·00	12·33·30	+	25·9	29·0	3·1	14·7		
	12·34·00	12·34·30	⊙	11·0	29·0	18·0	14·7		
	12·35·00	12·35.30	+	31·5	35·0	3·5	14·2		
	12·36.00	12·36·30	⊙	51·2	67·9	16·7	—		
2·33·15	2·30·00	2·30·30	⊙	10·4	27·2	16·8	—	14·4	⊙ a little hazy.
	2·31·00	2·31·30	+	30·2	33·0	2·8	13·9		
	2·32·00	2·32·30	⊙	12.8	29·4	16·6	14·2		
	2·33·00	2·33·30	+	32·4	34·4	2·0	14·7		
	2·34·00	2·34·30	⊙	10·0	26·8	16·8	14·8		
	2·35·00	2·35·30	+	30·0	32·0	2·0	14·4		
	2·36·00	2·36·30	⊙	11·8	27·8	16·0	—		
APRIL 15TH, 1846. 8·33·15	8 30·00	8·30·30	⊙	9·8	23·5	13·7	—	10·2	
	8·31·00	8·31·30	+	27·2	30·8	3·6	9·7		
	8·32·00	8·32·30	⊙	10·8	23·8	13·0	9·7		⊙ a little hazy.
	8·33·00	8·33·30	+	27·2	30·2	3·0	10·2		
	8·34·00	8·34·30	⊙	12·8	26.2	13·4	10·6		
	8·35·00	8·35·30	+	29·5	32·0	2·5	11·0		
	8·36·00	8·36·30	⊙	9·5	23·2	13.7	—		
9·33·15	9·30·00	9·30·30	⊙	20.0	36·2	16·2	—	14.6	⊙ Clear.
	9·31·00	9·31·30	+	40·0	41·0	1·0	14·7		
	9·32·00	9·32·30	⊙	14·8	30·1	15·3	14·4		
	9·33·00	9·33·30	+	33·2	34·0	0·8	14·7		
	9·34·00	9·34·30	⊙	7·4	23·0	15·6	14·7		
	9·35·00	9·35·30	+	23·9	25·0	1·1	14·6		
	9·36·00	9·36·30	⊙	9·0	24·8	15·8	—		
APRIL 16TH, 1846. 8·33·15	8·30·00	8·30·30	⊙	4·5	19·0	14·5	—	11·4	⊙ Clear.
	8·31·00	8·31·30	+	23·3	26·9	3·6	11·2		
	8·32·00	8·32·30	⊙	12·8	27·9	15·1	11·8		
	8·33·00	8·33·30	+	32·2	35·2	3·0	12·1		
	8·34·00	8·34·30	⊙	12·8	28·0	15·2	11·3		
	8·35·00	8·35·30	+	33·0	37·8	4·8	10·8		
	8·36·00	8·36·30	⊙	13·0	29·0	16·0	—		
9·33·15	9·30·00	9·30·30	⊙	6·8	24·0	17·2	—	16·3	⊙ Clear.
	9·31·00	9·31·30	+	26·7	28·0	1·3	15·9		
	9·32·00	9·32·30	⊙	44·0	61·0	17·0	15·6		
	9·33·00	9·33·30	+	63·5	65·0	1·5	16·3		
	9·34·00	9·34·30	⊙	12·0	30·7	18·7	16·9		
	9·35·00	9·35·30	+	32·8	35·0	2·2	16·6		
	9·36·00	9·36·30	⊙	10·0	29.0	19·0	—		
APRIL 17TH, 1846. 10·33·15	10·30 00	10·30·30	⊙	8·0	24·5	16·5	—	14·2	⊙ Clear.
	10·31·00	10·31·30	+	29·0	32·0	3·0	13·8		
	10·32·00	10·32·30	⊙	8·8	26·0	17·2	14·0		
	10·33·00	10·33·30	+	31·0	34·5	3·5	14·7		
	10·34·00	10.34·30	⊙	4·0	23·0	19·0	15·0		
	10·35·00	10·35·30	+	29·0	33·5	4·5	13·7		
	10·36·00	10·36·30	⊙	9·0	26·5	17·5	—		
APRIL 18TH, 1846. 8·33·15	8·30·00	8·30·30	⊙	6·5	20·5	14·0	—	11·9	⊙ Clear.
	8·31·00	8.31·30	+	23·8	26·5	2·7	11·8		
	8·32·00	8·32·30	⊙	10·5	25·0	14·5	11·5		
	8·33·00	8·33·30	+	28·8	32·0	3·2	11·9		
	8·34·00	8·34·30	⊙	13·0	28·8	15·8	12·4		
	8·35·00	8·35·30	+	33·0	36·5	3·5	12·1		
	8·36·00	8·36·30	⊙	11·8	27·2	15·4	—		

ACTINOMETER.

Date. Bombay Civil Time.		Time of Observation. Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
APRIL 18TH, 1846.	8.33·15	8·30·00	8·30·30	⊙	34·0	51·5	17·5	—	15·7	⊙ Clear.
		8·31·00	8·31·30	+	54·0	56·0	2·0	16·2		
		8·32·00	8·32·30	⊙	0·0	19·0	19·0	16·5		
		8·33·00	8·33·30	+	22·0	25·1	3·1	15·1		
		8·34·00	8·34·30	⊙	6·0	23·5	17·5	15·0		
		8·35·00	8·35·30	+	26·0	28·0	2·0	15.7		
		8·36·00	8·36·30	⊙	15·0	33·0	18·0	—		
APRIL 20TH, 1846.	8·33 15	8.30·00	8·30·30	⊙	6·8	21·0	14·2	—	12·6	⊙ Clear.
		8·31·00	8·31·30	+	24·4	27·0	2·6	12·1		
		8·32.00	8·32·30	⊙	11·8	27·0	15·2	12·1		
		8·33·00	8·33·30	+	30·4	34·0	3·6	12·1		
		8·34·00	8·34·30	⊙	11·8	28.0	16·2	13·1		
		8·35·00	8·35·30	+	31·9	34·4	2·5	13·4		
		8·36·00	8·36·30	⊙	11·9	27·5	15·6	—		
	9·33·15	9·30·00	9·30·30	⊙	1·0	17·0	16·0	—	13·8	⊙ Clear.
		9·31·00	9·31·30	+	19·7	21·7	2·0	14·2		
		9·32·00	9·32·30	⊙	0·0	16·5	16·5	13·9		
		9·33·00	9·33·30	+	20·2	23·5	3·3	12·6		
		9·34·00	9·34·30	⊙	6·6	22·0	15·4	13·0		
		9·35·00	9·35·30	+	23·7	25·2	1·5	15·2		
		9·36·00	9·36·30	⊙	3·0	21·0	18·0	—		
APRIL 21ST, 1846.	8·33·15	8·30·00	8·30·30	⊙	6·0	20·3	14·3	—	11·2	⊙ a little hazy.
		8·31·00	8·31·30	+	23·1	25·4	2·8	11·0		
		8·32·00	8·32·30	⊙	9·5	23·5	14·0	11·7		
		8·33·00	8·33·30	+	26·0	28·2	2·2	11·5		
		8·34·00	8·34·30	⊙	11·8	25·2	13 4	10·7		
		8·35·00	8·35·30	+	28·0	31·2	3·2	10·5		
		8·36·00	8·36·30	⊙	10.0	24·0	14·0	—		
	11·33·15	11·30 00	11·30·30	⊙	30·0	45·0	15·0	—	15·2	⊙ Clear.
		11·31·00	11.31·30	+	47·0	48·7	1·7	15·1		
		11·32·00	11·32·30	⊙	6·9	23·5	16·6	15·3		
		11·33·00	11·33·30	+	26·9	27·9	1·0	15·4		
		11·34·00	11·34·30	⊙	10·7	27·0	16·3	15·1		
		11·35·00	11·35·30	+	29·4	30·9	1·5	15·1		
		11·36·00	11·36·30	⊙	6·0	23·0	17·0	—		
APRIL 22ND, 1846.	8·33·15	8·30·00	8·30·30	⊙	17·0	31·0	14·0	—	11·0	⊙ a little hazy.
		8·31·00	8·31·30	+	34·5	37·0	2·5	11·2		
		8·32·00	8·32·30	⊙	11·0	24·5	13·5	10·9		
		8 33·00	8·33·30	+	27·8	30·5	2·7	10·9		
		8·34·00	8 34·30	⊙	11·5	25·2	13·7	11·0		
		8·35·00	8·35·30	+	28·5	31·2	2·7	11·0		
		8·36·00	8·36·30	⊙	11·2	25·0	13·8	—		
	9·33·15	9·30·00	9·30·30	⊙	5·3	22·0	16·7	—	14·5	⊙ Clear.
		9·31·00	9·31·30	+	24·0	26·0	2·0	15·1		
		9·32·00	9 32·30	⊙	6·0	23·5	17·5	15·0		
		9·33·00	9·33·30	+	26·9	29.9	3·0	13·7		
		9·34·00	9·34·30	⊙	7·2	23·0	15·8	13·6		
		9·35·00	9·35·30	+	25·8	27·2	1·4	15·3		
		9·36·00	9·36·30	⊙	5·4	22·9	17·5	—		
APRIL 24TH, 1846.	8·33·15	8·30·00	8·30·30	⊙	5·0	19·7	14·7	—	11·8	⊙ Clear.
		8·31·00	8·31·30	+	23·5	26·2	2·7	12·0		
		8·32·00	8·32·30	⊙	11·8	26·5	14·7	11·6		
		8·33·00	8·33·30	+	30·0	43·5	3·5	11·5		
		8·34·00	8·34·30	⊙	12·1	27·4	15·3	11·6		
		8·35·00	8·35·30	+	31·2	35·0	3.8	12·2		
		8·36·00	8·36·30	⊙	12·2	28·0	15·8	—		

ACTINOMETER.

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	Initial.	Terminal.		A. Initial.	B. Terminal.				
H. M. S.	H. M. S.	H. M. S.							
APR. 24TH, 1846. 9·33·15	9·30·00	9·30·30	⊙	13·7	30·2	16·5	—	14·7	⊙ Clear.
	9·31·00	9·31·30	+	33·0	34·5	1·5	15·4		
	9·32·00	9·32·30	⊙	11·0	28·3	17·3	14·9		
	9·33·00	9·33·30	+	32·5	35·8	3·3	14·3		
	9·34·00	9·34·30	⊙	8·0	26·0	18·0	14·5		
	9·35·00	9·35·30	+	28·2	32·0	3·8	14·3		
	9·36·00	9·36·30	⊙	4·9	23·0	18·1	—		
APRIL 25TH, 1846. 8·34·15	8·30·00	8·30·30	⊙	5·6	20·0	14·4	—	12.4	⊙ Clear.
	8·31·00	8·31·30	+	24·0	27·0	3·0	11·8		
	8.32·00	8·32·30	⊙	12·2	27·5	15·3	12·0		
	8·33·00	8·33·30	+	31·0	34·5	3·5	12·4		
	8·34·00	8·34·30	⊙	13·2	29·8	16·6	13·1		
	8·35·00	8·35·30	+	33·9	37·4	3·5	12·7		
	8·36·00	8·36·30	⊙	12·5	28·4	15·9	—		
9·33·15	9·30·00	9·30·30	⊙	10·0	25·0	15·0	—	14·1	⊙ Clear.
	9·31·00	9·31·30	+	28·0	29·0	1·0	13·6		
	9·32·00	9·32·30	⊙	43·9	58·2	14·3	12·9		
	9·33·00	9·33·30	+	60·7	62·5	1·8	13·8		
	9·34·00	9·34·30	⊙	10·0	27·0	17·0	15·3		
	9·35·00	9·35·30	+	29·9	31·5	1·6	14·7		
	9·36·00	9·36·30	⊙	16·9	32·5	15·6	—		
APRIL 27TH, 1846. 8·33·15	8·30·00	8·30·30	⊙	6·0	20·0	14·0	—	10·9	⊙ Clear.
	8·31·00	8·31·30	+	24·5	28·0	3·5	10·6		
	8·32·00	8·32·30	⊙	11·4	25·5	14·1	10·4		
	8·33·00	8·33·30	+	30·0	33·8	3·8	10·3		
	8·34·00	8·34·30	⊙	10·5	24·7	14·2	10·8		
	8·35·00	8.35·30	+	29·4	32·4	3·0	11·7		
	8·36·00	8·36·30	⊙	13·0	28·2	15·2	—		
9·32·15	9·30·00	9·30·30	⊙	9·0	25·2	16·2	—	14·1	⊙ Clear.
	9·31·00	9·31·30	+	29·0	31·0	2·0	14·5		
	9·32·00	9·32·30	⊙	7·1	24·0	16·9	14·6		
	9·33·00	9·33·30	+	27·3	30·0	2·7	13·9		
	9·34·00	9·34·30	⊙	2·7	19·0	16·3	13·5		
	9·35·00	9·35·30	+	21·0	24·0	3·0	13·8		
	9·36·00	9·36·30	⊙	10·7	28·0	17.3	—		
APR. 28TH, 1846. 8·34·15	8·30·00	8·30·30	⊙	5·0	19·2	14·2	—	12·3	⊙ Clear.
	8·31·00	8·31·30	+	22·8	25·5	2·7	11·7		
	8·32·00	8·32·30	⊙	10·5	25·2	14·7	11·9		
	8·33·00	8·33·30	+	29·5	32·3	2·8	12·2		
	8·34.09	8·34·30	⊙	12·5	27·9	15·4	12·8		
	8·35·00	8·35·30	+	31·8	34·2	2·4	13·0		
	8·36·00	8·36·30	⊙	8·5	24·0	15·5	—		
APRIL 29TH, 1846. 8·33·15	8·30·00	8·30·30	⊙	5·5	19·8	14·3	—	12·4	⊙ Clear.
	8·31·00	8·31·30	+	22·5	24·5	2·0	12·2		
	8·32·00	8·32·30	⊙	11·6	25·8	14·2	12·0		
	8·33·00	8·33·30	+	29·2	31·5	2·3	12·4		
	8·34·00	8·34·30	⊙	13·9	29·2	15·3	12·9		
	8·35·00	8·35·30	+	31·5	34·0	2·5	12·4		
	8·36·00	8·36·30	⊙	10·3	24·8	14·5	—		
9·33.15	9·30·00	9·30·30	⊙	36·0	51·2	15·2	—	15·1	⊙ Clear.
	9·31·00	9·31·30	+	54·0	56·0	2·0	14·0		
	9·32·00	9·32·30	⊙	8·2	25·0	16·8	15·5		
	9·33·00	9·33·30	+	26·7	27·4	0·7	16·1		
	9·34·00	9·34·30	⊙	4·2	21·0	16·8	15·6		
	9·35.00	9·35·30	+	24·5	26·2	1·7	14·3		
	9·36·00	9·36·30	⊙	1·9	17·2	15·3	—		

ACTINOMETER.

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	Initial.	Terminal.		A. Initial.	B. Terminal.				
H. M. S.	H. M. S.	H. M. S.							
APRIL 30TH, 1846. 8·33·15	8·30·00	8·30·30	⊙	5·3	20·2	14·9	—	11·9	⊙ Clear.
	8·31·00	8·31·30	+	24·0	27·3	3·3	11·8		
	8·32·00	8·32·30	⊙	12·9	28·2	15·3	11.8		
	8·33·00	8·33·30	+	32·5	36·2	3·7	11·8		
	8·34·00	8·34·30	⊙	12·7	28·4	15·7	11·9		
	8·35·00	8·35·30	+	33·0	36·8	3·8	12·4		
	8·36·00	8·36·30	⊙	12·8	29·5	16·7	—		
9·33·15	9·30.00	9·30·30	⊙	8·0	25·0	17·0	—	16·6	⊙ Clear.
	9·31·00	9·31·30	+	27·5	30·0	2·5	14·7		
	9·32·00	9·32.30	⊙	5·5	22·9	17·4	14·8		
	9·33·00	9·33·30	+	26·2	29·0	2·8	17·0		
	9·34·00	9·34·30	⊙	8·1	30·3	22·2	19·5		
	9·35·00	9·35·30	+	34·0	36·6	2·6	17·2		
	9·36·00	9·36·30	⊙	5·1	22·5	17·4	—		
MAY 1ST, 1846. 8·33·15	8·30·00	8·30·30	⊙	7·0	23·6	16·0	—	12·0	⊙ Clear.
	8·31·00	8·31·30	+	27·2	31·2	4·0	12·1		
	8·32·00	8·32·30	⊙	14.5	30·8	16·3	12·7		
	8·33·00	8·33·30	+	36·2	39·4	3·2	13·2		
	8·34·00	8·34·30	⊙	12·4	29·0	16·6	11·9		
	8·35·00	8·35·30	+	33·2	39·4	6·2	10·3		
	8·36·00	8·36·30	⊙	13·5	30·0	16.5	—		
9·33·15	9·30·00	9·30·30	⊙	19·7	36·7	17·0	—	14·7	⊙ Clear.
	9·31·00	9·31·30	+	39·0	41·2	2.2	14·8		
	9·32·00	9.32·30	⊙	10·0	27·0	17·0	14·8		
	9·33·00	9·33·30	+	30.0	32·2	2·2	14·5		
	9·34·00	9.34·30	⊙	8·0	24·5	16·5	14·4		
	9·35.00	9·35·30	+	27·0	29·0	2·0	15·0		
	9·36·00	9·36·30	⊙	7·4	25·0	17.6	—		
MAY 2ND, 1846. 8·33·15	8·30·00	8·30·30	⊙	3·0	17·5	14·5	—	12·6	⊙ Clear.
	8·31·00	8·31·30	+	21·8	25·2	3·4	12·3		
	8·32·00	8·32 30	⊙	12·5	28·5	16·0	12·5		
	8·33·00	8·33·30	+	32·5	36·0	3·5	12·5		
	8·34·00	8·34·30	⊙	12·0	28·0	16·0	12·7		
	8·35·00	8·35·30	+	31·5	34·5	3·0	13·1		
	8·36·00	8·36·30	⊙	13·2	29·5	16·3	—		
9·33·15	9·30·00	9·30·30	⊙	8·0	25·1	17·1	—	15·7	⊙ Clear
	9·31·00	9·31·30	+	27·5	30·0	2·5	15·0		
	9·32·00	9·32·30	⊙	10·1	28·0	17·9	15·9		
	9·33·00	9·33·30	+	30·0	31·6	1·6	15·8		
	9·34·00	9·34·30	⊙	13·0	30·0	17·0	15·7		
	9·35·00	9·35·30	+	31·9	33·0	1·1	16 1		
	9·36·00	9·36·30	⊙	5·5	23·0	17·5	—		
MAY 4TH, 1846. 8·33·15	8·30·00	8·30·30	⊙	4·4	21·0	16·6	—	12·5	⊙ Clear.
	8·31·00	8·31·30	+	25·0	29·0	4·0	12·7		
	8·32.00	8·32·30	⊙	14·4	31·3	16·9	13·2		
	8·33·00	8·33·30	+	36·2	39·5	3·3	13·4		
	8·34·00	8·34·30	⊙	15·0	31·6	16·6	12·2		
	8·35·00	8·35 30	+	35·6	41·2	5·6	11·2		
	8·36·00	8·36·30	⊙	13·0	30·0	17·0	—		
9·33·15	9·30·00	9·30·30	⊙	3·0	19·8	16·8	—	14·8	⊙ Clear.
	9·31·00	9·31·30	+	21·4	23·0	1·6	15·2		
	9·32·00	9·32.30	⊙	3.1	20·0	16·9	15·4		
	9.33·00	9·33.30	+	22·0	23·4	1·4	14·8		
	9·34·00	9·34·30	⊙	8·8	24·3	15·5	13·7		
	9·35·00	9·35·30	+	27·2	29·5	2·3	13·9		
	9·36·00	9·36·30	⊙	11·0	28·0	17·0	—		

ACTINOMETER.

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	Initial.	Terminal.		A. Initial.	B. Terminal.				
H. M. S.	H. M. S.	H. M. S.							
MAY 5TH, 1846. 10·37·15	10·30·00	10·30·30	⊙	12.0	29·0	17·0	—	14·8	⊙ Clear.
	10·31·00	10·31·30	+	34.0	38·2	4·2	14·3		
	10·32·00	10·32·30	⊙	4·0	24·0	20·0	14·2		
	10·33·00	10·33·30	+	28·0	33·5	5·5	14·8		
	10·34·00	10·34·30	⊙	7·9	28·5	20·6	15·5		
	10·35·00	10·35·30	+	34·2	39·0	4·8	15·3		
	10·36·00	10·36·30	⊙	57·2	76·9	19·7	—		
MAY 6TH, 1846. 8·33·15	8·30·00	8 30·30	⊙	6·5	22·0	15·5	—	12·3	⊙ Clear.
	8·31·00	8·31·30	+	25·8	29·5	3·7	12·0		
	8·32·00	8·32·30	⊙	12·0	28·0	16·0	12·0		
	8·33.00	8·33·30	+	32·3	37·2	4·9	11·7		
	8·34·00	8·34·30	⊙	12·2	29·5	17·3	12·8		
	8·35·00	8·35·30	+	35·0	39·0	4·0	13.2		
	8·36·00	8·36·30	⊙	13·2	30·3	17·1	—		
9·33·15	9·30·00	9·30·30	⊙	40·3	55·0	14·7	—	15·8	⊙ Clear.
	9·31·00	9·31·30	+	56·0	57·0	1·0	15·0		
	9·32·00	9·32·30	⊙	4·7	22·0	17·3	16·0		
	9·33·00	9·33·30	+	24·8	26·5	1·7	15·7		
	9·34·00	9·34·20	⊙	7·0	24·5	17·5	15·7		
	9·35·00	9·35·30	+	27·1	29·0	1·9	16·7		
	9·36·00	9·36·30	⊙	8·0	27·7	19·7	—		
MAY 8TH, 1846. 8·33·15	8·30·00	8·30·30	⊙	4·0	18·2	14·2	—	13·0	⊙ Hazy.
	8·31·00	8·31·30	+	21·4	24·3	2·9	12·1		
	8·32·00	8·32·30	⊙	3.4	19·2	15·8	12·8		
	8·33·00	8·33·30	+	22 5	25·5	3·0	13·0		
	8·34·00	8·34·30	⊙	6·0	22·2	16·2	13·3		
	8·35·00	8·35·30	+	25·5	28·2	2·7	13·9		
	8·36·00	8·36·30	⊙	4·5	21·5	17·0	—		
MAY 9TH, 1846. 10·33·15	10·30·00	10·30·30	⊙	2·5	20·8	18·3	—	13·9	⊙ Clear.
	10·31·00	10·31·30	+	26·0	31·0	5·0	13·6		
	10·32·00	10·32·30	⊙	13·9	32·9	19 0	14·1		
	10·33·00	10·33·30	+	38·1	43·0	4·9	14·6		
	10·34·00	10·34·30	⊙	3·0	23·0	20·0	14·3		
	10·35·00	10·35·30	+	29·6	35·0	6·6	13·0		
	10·36·00	10·36·30	⊙	6·0	25·3	19·3	—		
11·33·15	11·30·00	11·30·30	⊙	13·0	28·0	15·0	—	14·8	⊙ Clear.
	11·31·00	11·31·30	+	29·0	30·0	1·0	14·9		
	11·32·00	11·32·30	⊙	7·2	24·0	16·8	15.6		
	11·33·00	11·33·30	+	25·0	26·5	1·5	15·0		
	11·34·00	11·34·30	⊙	12.9	29·0	16·1	14·3		
	11·35·00	11·35·30	+	30·2	32·0	2·2	14·4		
	11·36·00	11·36·30	⊙	12·9	30·0	17·1	—		
MAY 11TH, 1846. 10·33·15	10·30·00	10·30·30	⊙	41·0	58·0	17·0	—	15·2	⊙ Clear.
	10·31·00	10·31·30	+	61·9	64·0	2.1	15·2		
	10·32·00	10·32·30	⊙	15·2	32·9	17·7	15·0		
	10·33·00	10·33·30	+	37·0	40·2	3·2	14·7		
	10·34·00	10·34·30	⊙	11·0	29·2	18·2	15·2		
	10·35·00	10·35·30	+	33·7	36.5	2·8	15·8		
	10·36.00	10·36·30	⊙	4·0	22·9	18·9	—		
11·33·15	11·30·00	11·30·30	⊙	16·0	33·0	17·0	—	15·2	⊙ Clear.
	11·31·00	11·31·30	+	33·8	34·0	0·2	16·3		
	11·32·00	11·32·30	⊙	10·0	26·0	16·0	15·5		
	11·33·00	11·33·30	+	28·2	29·0	0·8	15·1		
	11·34·00	11·34·30	⊙	10·5	26·4	15·9	15·0		
	11·35·00	11·35·30	+	29·0	30·0	1·0	14·0		
	11·36·00	11·36.30	⊙	2·7	17·0	14·3	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
MAY 12TH, 1846.	8·33·15	8·30·00	8·30·30	⊙	4·2	19·5	15·3	—	12·8	⊙ a little hazy.
		8·31·00	8·31·30	+	23·5	26.2	2·7	12·7		
		8·32·00	8·32·30	⊙	12·4	28.0	15·6	12·8		
		8·33·00	8·33·30	+	32·2	34·4	2·2	13·5		
		8·34·00	8·34·30	⊙	12·4	28·2	15·8	12·8		
		8·35·00	8·35.30	+	33·0	36·8	3·8	12·4		
		8·36.00	8·36·30	⊙	13·5	30·2	16·7	—		
	11·33·15	11·30·00	11·30·30	⊙	11·0	29·0	18·0	—	14·7	⊙ Clear.
		11·31·00	11·31·30	+	31·5	33·0	1·5	15·3		
		11·32·00	11·32·30	⊙	10 3	26·0	15·7	14·2		
		11·33·00	11·33·30	+	28·0	29·4	1·4	14·8		
		11·34·00	11·34·30	⊙	10·2	27·0	16·8	14 6		
		11·35·00	11·35·30	+	30·0	33·0	3·0	14.8		
		11·36·00	11·36·30	⊙	9·1	28·0	18·9	—		
MAY 16TH, 1846.	9·33·15	9·30·00	9·30·30	⊙	6·0	22·7	16·7	—	14·5	⊙ Clear.
		9·31·00	9·31·30	+	26·0	29·0	3·0	14·6		
		9·32·00	9·32·30	⊙	19·0	37·5	18·5	15·0		
		9·33·00	9·33·30	+	42·0	46·0	4·0	14·3		
		9·34·00	9·34·30	⊙	12·8	31·0	18·2	14·2		
		9·35·00	9·35·30	+	36·0	40·0	4·0	14·4		
		9·36·00	9·36·30	⊙	14·9	33·5	18.6	—		
	10·33·15	10·30·00	10·30·30	⊙	12·9	29·8	16·9	—	16.7	⊙ Clear.
		10·31·00	10·31·30	+	32·9	33·5	0·6	16·7		
		10·32·00	10·32·30	⊙	9·3	27·0	17·7	16·4		
		10·33·00	10·33·30	+	30·0	32·0	2·0	16·2		
		10·34·00	10·34·30	⊙	1·3	20·0	18·7	16·9		
		10·35·00	10·35·30	+	22·8	24·4	1·6	17·2		
		10·36·00	10·36·30	⊙	9·4	28 2	18·8	—		
MAY 21ST, 1846.	10·33·15	10·30·00	10·30·30	⊙	– 0·7	15·9	16·6	—	13·2	⊙ Clear.
		10·31·00	10·31·30	+	21·4	25·0	3·6	13·2		
		10·32·00	10·32·30	⊙	5·0	22·0	17·0	13·6		
		10 33·00	10·33·30	+	27·7	33·0	5·3	12·2		
		10·34·00	10·34·30	⊙	5·1	23·0	17·9	12·9		
		10·35·00	10·35·30	+	28·4	33·2	4·8	14·0		
		10·36·00	10·36 30	⊙	12·4	32·0	19·6	—		
	11·33·15	11·30·00	11·30·30	⊙	27·0	40·0	13·0	—	14·3	⊙ Clear.
		11·31·00	11 31·30	+	41·0	42·0	1·0	13·4		
		11·32·00	11·32·30	⊙	5·6	20·9	15·9	14·4		
		11·33·00	11·33·30	+	23·0	25·0	2·0	14·2		
		11·34·00	11·34·30	⊙	0·9	17 5	16·6	14·7		
		11·35·00	11·35·30	+	19·0	20·9	1.9	14·9		
		11·36·00	11·36·30	⊙	15·0	32·0	17·0	—		
AUG. 19TH, 1846.	12·33·15	12·30 00	12·30·30	⊙	5·0	11·0	6·0	—	8·7	⋁⎽ and ⋁⌒ over the ⊙ at the three first observations ⋁⎽ moved south-eastward, ⋁⌒ remained over the ⊙ to the last: ⋁⌒ and ⋁⌒₋ throughout, during the observations
		12·31·00	12·31·30	+	11·9	12.0	0·1	7·1		
		12·32·00	12·32·30	⊙	4·0	12·5	8·5	8·2		
		12·33·00	12·33·30	+	14·0	14·5	0·5	8·7		
		12·34·00	12.34·30	⊙	20·1	30·1	10·0	9·4		
		12·35·00	12·35·30	+	32·0	32·8	0·8	10·1		
		12·36·00	12·36·30	⊙	5·1	16·9	11·8	—		
AUG. 20TH, 1846.	1·33·15	1·30·00	1·30·30	⊙	14·0	28·8	14·8	—	13·1	⊙ partially clouded with ⋁⌒ during the observations ⅞ ⋁⌒, \, ⋁⎽; and ⌒ in the horizon.
		1·31·00	1.31·30	+	31·7	34·0	2·3	12·1		
		1·32·00	1·32·30	⊙	1·0	15·0	14·0	12·0		
		1·33·00	1·33·30	+	18·3	20·0	1·7	13·2		
		1·34·00	1·34·30	⊙	8·2	24·0	15·8	14·2		
		1·35·00	1·35·30	+	27·0	28·6	1·6	14·1		
		1·36·00	1·36·30	⊙	10·2	25·8	15·6	—		

ACTINOMETER.

Date Bombay Civil Time.		Time of Observation. Bombay, 1846.		Exposure, sun ⊙ or shade +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
AUG. 21st, 1846.	12·33·15	12·30·00	12·30·30	⊙	7·0	15·0	8.0	—	6·1	⊙ obscured with ∨∟; dense fleecy clouds.
		12·31·00	12·31·30	+	16·0	17·0	1·0	6·9		
		12·32·00	12·32·30	⊙	7·5	15·4	7·9	6·8		
		12·33·00	12·33·30	+	17·9	19·0	1·1	5·9		Sky $^{8}/_{8}$ overcast.
		12·34·00	12·34·30	⊙	4·9	11·0	6·1	5·1		
		12·35·00	12·35·30	+	15·0	16·0	1·0	5·8		
		12·36·00	12·36·30	⊙	7·9	15·5	7·6	—		
AUG. 22nd, 1846.	12·33·15	12·30·00	12·30·30	⊙	15·0	33·9	18·9	—	10·0	∨⌒i on ⊙ moving Eastward: $^{8}/_{8}$ overcast.
		12·31·00	12·31·30	+	39·0	41·5	2·5	12·9		⊙ shining faintly.
		12·32·00	12·32.30	⊙	3·0	15·0	12·0	9·3		
		12·33·00	12·33·30	+	19·0	22·0	3·0	9·5		
		12·34·00	12·34·30	⊙	7·9	20·9	13·0	9·8		⊙ shining faintly.
		12·35.00	12.35·30	+	24·0	27·5	3·5	8·5		
		12·36·00	12·36·30	⊙	9·0	20·0	11.0	—		
AUG. 24th, 1846.	12·33·15	12·30·00	12·30·30	⊙	10·4	22·9	12·5	—	8·3	Dense fleecy ⌒\i and \i on ⊙, the former moving Eastward and the latter North-eastward.
		12·31·00	12·31·30	+	26·8	28·7	1·9	11·1		
		12·32·00	12·32·30	⊙	5·1	18·7	13·6	11·7		
		12·33·00	12·33·30	+	23·0	25·0	2·0	8·3		
		12·34·00	12·34·30	⊙	34·0	41·0	7·0	4·5		⊙ totally obscured by a huge mass of ∨∟ moving Eastward: $^{8}/_{8}$ overcast.
		12·35·00	12·35·30	+	44·0	47·0	3·0	6·0		
		12·36·00	12·36·30	⊙	57·9	69·0	11·1	—		
AUG. 25th, 1846.	12·38·15	12·30·00	12·30·30	⊙	12·7	21·0	8·3	—	10·8	Light fleecy ⌒\i almost ∨⌒i on ⊙, moving North-eastward, during the whole set.
		12·31·00	12·31·30	+	23·8	26·0	2·2	7·9		
		12·32·00	12·32·30	⊙	12.9	24·8	11·9	9·8		
		12·33·00	12·33·30	+	27·0	29 0	2·0	11·0		
		12·34·00	12·34·30	⊙	8·8	23·0	14·2	12·6		⊙ shining less faintly; $^{6}/_{8}$ overcast, light fleecy ⌒\i, ⌒ and ∨∟.
		12·35·00	12·35·30	+	26·0	27·3	1·3	13·0		
		12·36·00	12·36·30	⊙	9·8	24·3	14·5	—		
AUG. 26th, 1846.	12·33·15	12·30·00	12·30·30	⊙	36·0	50·0	14·0	—	10·2	\i on the sun during the whole set: dense fleecy ⌒ while passing North-eastward obscured the ⊙ at the 2nd and 3rd observations.
		12·31·00	12·31·30	+	53·0	55·4	2·4	8·6		
		12·32·00	12·32·30	⊙	3·0	11·0	8·0	5·8		
		12·33.00	12·33·30	+	14·0	16·0	2·0	10·0		
		12·34·00	12·34·30	⊙	6·0	22·1	16·1	13·7		
		12 35·00	12·35·30	+	25·4	28·2	2·8	13·2		
		12·36·00	12·36·30	⊙	43·0	58·9	15·9	—		$^{8}/_{8}$ overcast, \i, dense fleecy ⌒\i and ⌒.
AUG. 27th, 1846.	12·33·15	12·30·00	12·30·30	⊙	12·0	17·0	5·0	—	2·3	Dense fleecy clouds and ∨⌒∟i around ⊙, the latter moving to E. by S
		12·31·00	12·31·30	+	19·0	20·8	1·8	2·9		
		12·32·00	12·32·30	⊙	7·7	12·2	4·5	2·3		
		12·33·00	12·33·30	+	15·0	17·7	2·7	2·1		
		12·34·00	12·34·30	⊙	22·0	27·1	5·1	2·5		
		12·35·00	12·35·30	+	30·0	32·5	2·5	2·0		
		12·36·00	12·36·30	⊙	37·0	41·0	4·0	—		$^{8}/_{8}$ overcast, dense fleecy clouds and ∨∟.
AUG. 28th, 1846.	12·33.15	12·30·00	12·30·30	⊙	20·8	35·0	14·2	—	12·7	\i on the ⊙ during the observations: few fleecy ⌒\i passed eastward, occasionally by the south of ⊙.
		12·31·00	12·31·30	+	38·0	39 5	1·5	13·7		
		12·32·00	12·32·30	⊙	6·6	22·9	16·3	14·2		
		12·33·00	12·33·30	+	26·2	29·0	2·8	13.1		
		12·34·00	12·34·30	⊙	17·9	33·5	15·6	11·9		
		12·35·00	12·35·30	+	37·3	42·0	4·7	11·0		
		12·36.00	12·36·30	⊙	10·7	26·6	15·9	—		$^{8}/_{8}$ overcast, \i, ⌒, and ⌒∟i.
AUG. 29th, 1846.	12·33·15	12·30·00	12·30·30	⊙	7·8	11·0	3·2	—	4·1	\i and ∨∟ on the sun, the latter moving Eastward only, \i were on the ⊙ during the last two observations.
		12·31·00	12·31·30	+	13·0	14·9	1·9	1·8		
		12·32·00	12·32·30	⊙	18·8	23.0	4·2	2·4		
		12·33·00	12·33·30	+	25·0	26·7	1·7	3·4		
		12·34·00	12·34·30	⊙	32·0	38·0	6·0	4·3		
		12·35·00	12·35·30	+	40·3	42·0	1·7	9·0		
		12·36·00	12·36·30	⊙	55·5	71·0	15·5	—		$^{8}/_{8}$ overcast, ⌒\i, ∨∟ and \i.

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
SEPT. 1ST, 1846.	12·33·15	12·30 00	12·30·30	⊙	52·7	61·0	8·3	—	10·4	Fleecy ⌒i on ⊙ during these observations.
		12·31·00	12·31·30	+	65·0	67·5	1·5	8·4		
		12·32·00	12·32·30	⊙	23·0	34·5	11·5	9·3		
		12·33·00	12·33·30	+	39·0	42·0	3 0	9·6		
		12·34·00	12·34·30	⊙	14·3	28·0	3·7	10·6		⊙ shining faintly.
		12·35.00	12·35·30	+	31·0	34 3	3·3	14·2		„ „ least faintly: 8/9 overcast, fleecy ⌒i, ⌒ and ∿.
		12·36·00	12·36·30	⊙	51·8	73·0	21·2	—		
SEPT. 2D, 1846.	12.33·15	12·30·00	12·30·30	⊙	18·0	20·9	2·9	—	7·8	A huge mass of ∿ like clouds on ⊙ passing Eastward obscured it during the whole set, but the last three observations.
		12·31·00	12·31·30	+	22·0	23·3	1·3	2·0		
		12·32·00	12·32·30	⊙	26·2	30·0	3·8	3·1		
		12·33·00	12·33·30	+	31·9	32·0	0·1	8·8		
		12.34·00	12·34·30	⊙	- 2·0	12·0	14·0	12·6		
		12·35·00	12·35 30	+	15·2	17 0	1.8	2·8		8/9 overcast, ⌒⎽, ⌒, ∿ and ╲i.
		12·36·00	12.36·30	⊙	15·8	31·0	15·2	—		
SEPT. 3D, 1846.	12·33·15	12·30·00	12·30·30	⊙	7·0	21·0	14·0	—	4·8	Large masses of ∿ on ⊙ moving Eastward during the whole set of observations, except the first.
		12·31·00	12·31·30	+	25·0	28·0	3·0	7·0		
		12·32·00	12·32·30	⊙	1·0	7·0	6·0	3·7		
		12·33·00	12·33·30	+	8·8	10·4	1·6	4·4		
		12·34·00	12·34·30	⊙	11·0	17·0	6·0	4·6		
		12·35·00	12·35·30	+	18·8	20·0	1·2	4·5		8/9 overcast, ∿, dense fleecy clouds and ⌒.
		12·36·00	12·36·30	⊙	24·0	29·4	5·4	—		
SEPT. 4TH, 1846.	12·33·15	12·30·00	12·30·30	⊙	5·0	17·0	12·0	—	4·0	A huge mass of ∿ like clouds, occupying 6/9 of the heavens. obscured ⊙ from the third to the last observation while they were passing Eastward.
		12·31·00	12·31·30	+	20·0	22·5	2 5	7·0		
		12·32·00	12·32·30	⊙	4·9	12·0	7·1	4·5		
		12·33·00	12·33·30	+	15·0	17·7	2·7	3·5		
		12·34·00	12·34·30	⊙	5·0	10·3	5·3	2·6		
		12·35.00	12·35·30	+	13·3	16·0	2·7	2·5		8/9 overcast, ∿ like clouds, ╲i, light fleecy clouds and ⌒⎽
		12·36·00	12·36·30	⊙	20·3	25·5	5·2	—		
SEPT. 5TH, 1846.	12·33·15	12·30·00	12·30·30	⊙	5·0	14·6	9·6	—	6·9	⊙ faintly shone through dense fleecy clouds, which were moving South-eastward during the whole set of these observations.
		12·31·00	12·31·30	+	17·9	20·0	2·1	7·5		
		12·32·00	12·32·30	⊙	8·9	18·5	9·6	6·7		
		12·33·00	12.33·30	+	22·0	25 8	3·8	6·0		
		12·34·00	12·34·30	⊙	6·0	16·0	0·0	7·2		
		12·35·00	12·35·30	+	21·0	22·9	1·9	7·5		8/9 overcast, dense fleecy clouds, ⌒ and ⎽
		12·36·00	12·36·30	⊙	14·0	22·8	8·8	—		
SEPT. 7TH, 1846.	12·33·15	12·30·00	12·30·30	⊙	13·9	24·0	10·1	—	5·4	Occasional patches of dense fleecy clouds below; undefined clouds above over the ⊙ during the whole set of observations
		12·31·00	12·31·30	+	27·9	31·9	4·0	5·7		
		12·32·00	12·32·30	⊙	13·5	22.9	9·4	5·6		
		12·33·00	12·33·30	+	26·4	30·0	3·6	5·6		
		12·34·00	12·34·30	○	11·9	21·0	9·1	5·3		
		12·35·00	12·35·30	+	24·0	28·0	4·0	5.0		5/9 overcast, ⌒; and patches of dense fleecy and undefined clouds.
		12·36·00	12·36·30	⊙	37·0	46·0	9.0	—		
SEPT. 8TH, 1846.	12·33·15	12·30·00	12·30·00	⊙	16·4	32·8	16·4	—	12·4	Light fleecy clouds on the ⊙ during the whole set of observations.
		12·31·00	12·31·30	+	37·0	40·5	3·5	12·8		
		12·32·00	12·32·30	⊙	13·8	30·0	16·2	12·4		
		12·33·00	12·33·30	+	35·8	40·0	4·2	12·1		
		12·34·00	12·34.30	⊙	7·0	23·5	16·5	12·4		
		12·35·00	12·35·30	+	28·9	33·0	4·1	12·7		
		12·36·00	12·36·30	⊙	7·9	25·0	17·1	—		8/8 overcast, dense fleecy ⌒i, ⌒ and light fleecy clouds, ╲i.
SEPT. 9TH, 1846.	12·33·15	12.30·00	12·30·30	⊙	10·1	24·8	14·7	—	11·9	Light fleecy ⌒i on the ⊙ moving Eastward rapidly, during the whole set of observations, except the last at which dense fleecy ⌒ almost obscured the ⊙.
		12·31·00	12·31·30	+	28·0	31·0	3·0	11·8		
		12·32·00	12·32·30	⊙	8·0	23·0	15·0	12·0		
		12·33·00	12·33·30	+	27·0	30·0	3·0	12·8		
		12·34·00	12·34·30	⊙	9·5	26·2	16·7	13.3		
		12·35·00	12·35·30	+	31·1	35·0	3·9	9·8		
		12·36·00	12·36·30	⊙	5·8	16·5	10·7	—		7/8 overcast, ⌒, dense fleecy ⌒i and ∿i.

ACTINOMETER.

Date. Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	Initial.	Terminal.		A. Initial.	B. Terminal.				
H. M. S.	H. M. S.	H. M. S.							
SEPT. 11TH, 1846. 12.33.15	12·30·00	12·30·30	⊙	40·0	56·0	16·0	—	14·1	∖⌒i on the sun during these observations.
	12·31·00	12·31·30	+	60·0	62·8	2·8	14·1		
	12·32·00	12·32·30	⊙	9·2	27·0	17·8	14.8		
	12·33·00	12·33·30	+	31·3	34·5	3·2	14·3		
	12·34.00	12·34·30	⊙	6·8	24·0	17·2	13·9		
	12·35·00	12 35·30	+	29·5	32·9	3·4	13·8		
	12·36·00	12·36·30	⊙	9·9	27·2	17·3	—		6/8 overcast, ∖⌒i, dense fleecy clouds and ⌒.
SEPT. 12TH, 1846. 12·33·15	12·30.00	12·30·30	⊙	7·9	17·9	10·0	—	9·9	∖⌒i on the ⊙ during these observations.
	12·31.00	12·31·30	+	21·7	24·5	2·8	8·7		
	12·32·00	12·32·30	⊙	36·0	49·0	13·0	10·0		
	12·33·00	12·33·30	+	52·9	56·2	3·3	10·2		
	12.34·00	12·34·30	⊙	10·7	24.8	14·1	10·8		
	12·35·30	12·35·00	+	29·7	33·0	3·3	10·2		
	12·36·30	12·36 00	⊙	6·8	19·8	13·0	—		8/8 overcast, ∖⌒_, ⌒ and ∖⌒_i.
SEPT. 14TH, 1846. 1·33·15	1·30·00	1·30·30	⊙	7·0	14·0	7·0	—	6·4	The ⊙ was clouded with ∖⌒ during these observations.
	1.31·00	1·31·30	+	16·3	18·0	2·7	5·8		
	1·32·00	1·32·30	⊙	5·0	13·0	8·0	6·2		
	1·33.00	1·33·30	+	16·3	18·3	2·0	6·4		
	1·34·00	1·34·30	⊙	6·0	14·8	8·8	6·8		
	1·35·00	1·35·30	+	18·0	20·1	2·1	6·8		Sky clouded with ∖⌒ and fleecy clouds; ⌒_ and ⌒ in the horizon.
	1·36·00	1.36·30	⊙	29·2	38·2	9·0	--		
SEPT. 15TH, 1846. 12·33.15	12·30·00	12 30·30	⊙	22·0	38·0	16·0	—	15·1	∖⌒i on the ⊙ during these observations.
	12.31·00	12.31·30	+	41·0	43·8	2·8	14·3		
	12·32·00	12·32·30	⊙	23.7	42·0	18·3	14·4		
	12·33·00	12·33·30	+	48.0	53·0	5·0	14·0		
	12·34·00	12·34·30	⊙	41·2	61·0	19·8	15·8		
	12·35·00	12·35·30	+	67·0	70·0	3·0	17·2		
	12·36·00	12·36·30	⊙	20·8	41·5	20·7	—		6/8 overcast, ∖⌒_, ⌒, ∖⌒i and dense fleecy clouds.
SEPT. 18TH, 1846. 12·33·15	12·30·00	12·30·30	⊙	3·5	4·0	0·5	—	0·5	
	12·31·00	12 31·30	+	3·0	3·0	0·0	0·4		
	12·32·00	12·32·30	⊙	2·0	2·3	0·3	0·1		
	12·33·00	12·33·30	+	2·5	3·0	0·5	0·1		⊙ densely clouded during these observations.
	12·34·00	12·34.30	⊙	2·0	2·4	0·4	0·6		
	12·35·00	12·35·30	+	1·4	0·5	- 0·9	1·3		
	12·36·00	12·36·30	⊙	1·5	2·0	0·5	—		
SEPT. 19TH, 1846. 12·33·15	12·30·00	12·30·30	⊙	25·0	41·0	16·0	—	13·6	
	12·31.00	12·31·30	+	44·3	48·0	3·7	12·5		During these observations light fleecy ∖⌒_i were passing on and by the sun occasionally; a small drizzle and sunshine at the same time on the instrument: the clouds seem to have no effect on the instrument.
	12·32·00	12·32·30	⊙	21·0	37·5	16·5	13·3		
	12·33.00	12·33·30	+	41·2	44.0	2·8	13·6		
	12·34·00	12·34·30	⊙	55 7	72·0	16·3	13·9		
	12·35·00	12·35·30	+	76 0	78·0	2·0	14·5		
	12·36·00	12.36·30	⊙	28·8	45·5	16·7	—		
SFPT. 21ST, 1846. 12·33·15	12·30·00	12·30·30	⊙	7·0	11·0	4·0	—	0·6	∖⌒_ coming on the ⊙.
	12·31·00	12.31·30	+	13·2	14·5	1·3	1·8		∖⌒_ over the ⊙.
	12·32·00	12·32·30	⊙	2·0	4·3	2.3	0·9		" " " "
	12·33·00	12·33·30	+	7·2	8·8	1·6	0·0		" " " "
	12·34·00	12·34·30	⊙	2·0	3.0	1·0	0·0		" " " "
	12·35·00	12·35·30	+	3·5	4·0	0·5	0·5		" " " "
	12·36·00	12·36·30	⊙	2·5	3.5	1·0	—		Rain dropping.
SEPT. 22D, 1846. 12·33·15	12·30·00	12·30·30	⊙	16·0	23.0	7·0	—	4·5	
	12·31·00	12·31·30	+	31·0	34·0	3·0	4·0		
	12·32·00	12·32·30	⊙	40·1	47·2	7·1	4·7		During the whole of these observations the sun was but very faintly visible through a thick ∖⌒_.
	12·33.00	12·33·30	+	50·0	51·8	1·8	4·7		
	12·34·00	12·34·30	⊙	57·5	63·5	6·0	4·5		
	12·35·00	12·35·30	+	65·0	66·3	1·3	4·8		
	12.36·00	12·36·30	⊙	20·0	26·2	6·2	—		

ACTINOMETER.

Date. Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	Initial.	Terminal.		A. Initial.	B. Terminal.				
H. M. S.	H. M. S.	H. M. S.							
SEPT. 23D, 1846. 12.33·15	12·30·00	12·30·30	⊙	17·0	34·0	17·0	—		
	12·31·00	12·31·30	+	38·0	40·0	2.0	10·0		
	12·32·00	12·32·30	⊙	13·0	25·0	12.0	9·8		
	12·33·00	12·33·30	+	27·0	29·5	2·5	12·5	12·4	During these observations the sun was partially obscured by fleecy clouds.
	12·34·00	12·34·30	⊙	15·0	33·0	18·0	15·3		
	12·35·00	12·35·30	+	37·0	40·0	3·0	14·2		
	12·36·00	12·36·30	⊙	13 0	29·5	16·5	—		
SEPT. 25TH, 1846. 12·33 15	12.30·00	12·30·30	⊙	10·9	25·0	14·1	—		\i on the ⊙ during these observations; dense fleecy ⌒\i near the ⊙ the last two observations.
	12·31·00	12·31·30	+	28·9	30·9	2·0	12·1		
	12·32.00	12·32·30	⊙	9·0	23·2	14·2	11·8		
	12·33·00	12·33·30	+	27·9	30·7	2·8	10·8	10·5	
	12·34·00	12·34·30	⊙	5·0	18·0	13·0	9·5		
	12·35·00	12·35·30	+	24·7	28·9	4·2	8·3		
	12·36·00	12·36·30	⊙	9·0	21·0	12·0	—		$^{5}/_{8}$ overcast, ⌒, dense fleecy ⌒\i and \i.
SEPT. 25TH, 1846. 12·33·15	12·30·00	12·30·30	⊙	31·0	46·0	15·0	—		
	12·31·00	12·31·30	+	52·0	55·0	3·0	12·9		⊙ clear during the observations.
	12·32·00	12·32·30	⊙	5·1	22·0	16·9	13·7		
	12·33·00	12·33·30	+	26.0	29·5	3·5	13·4	13·5	
	12·34·00	12·34·30	⊙	16·3	33·3	17·0	13·8		
	12·35·00	12·35·30	+	38·0	41·0	3·0	14·0		
	12·36·00	12·36·30	⊙	21·4	38·5	17·1	—		$^{8}/_{3}$ overcast.
SEPT. 28TH, 1846. 12.33·15	12·30·00	12·30·30	⊙	13·9	27·0	13·1	—		Very light \i on ⊙ during the observations.
	12·31·00	12·31·30	+	29·5	31·2	1·7	12·6		
	12·32·00	12·32·30	⊙	19·5	35·0	15·5	12·7		
	12·33·00	12·33·30	+	40·0	44·0	4·0	13·2	13·4	
	12·34·00	12·34·30	⊙	10·0	29·0	19·0	14·8		
	12·35·00	12·35·30	+	34·6	39·0	4·4	13·9		
	12·36·00	12·36·30	⊙	31·4	49·0	17·6	—		$^{1}/_{8}$ overcast, ⌒ and dense fleecy ⌒\i, \i.
SEPT. 29TH, 1846. 12·33·15	12·30 00	12·30·30	⊙	3·8	15·9	12·1	—		⊙ hazy.
	12·31·00	12.31·30	+	18·4	20·4	2·0	11·6		
	12·32·00	12·32·30	⊙	5·1	20·2	15·1	11·1		
	12·33·00	12·33·30	+	26·0	30·0	6·0	10·3	11·6	
	12·34·00	12·34·30	⊙	13·3	30·9	17·6	12·0		
	12·35·00	12·35·30	+	38·0	43·2	5·2	13·1		
	12·36·00	12·36·30	⊙	16·0	35·0	19·0	—		$^{4}/_{8}$ Overcast, ⌒, _ and \like haze.
SEPT. 30TH, 1846. 12·33·15	12·30·00	12·30·30	⊙	7·0	22·5	15·5	—		\i on the ⊙ during the observations.
	12·31·00	12·31·30	+	26·3	30·0	3·7	12·9		
	12·32·00	12·32·30	⊙	14·5	32·3	17·8	13·2		
	12 33·00	12·33·30	+	39·3	44 8	5·5	13·1	13·6	
	12·34·00	12 34·30	⊙	13·0	32·5	19·5	14·3		
	12·35·00	12·35·30	+	38·0	43·0	5·0	14·3		
	12·36·00	12·36·30	⊙	31·3	50·5	19·2	—		$^{8}/_{4}$ overcast, ⌒, dense fleecy clouds and \i.
OCT 1ST, 1846. 12·33·15	12·30·00	12·30·30	⊙	6·1	23·0	16·9	—		Light fleecy clouds on ⊙ during the observations.
	2·31·00	12·31 30	+	27·5	32·2	4·7	13.2		
	12·32·00	12 32·30	⊙	13·0	32·0	19·0	14·2		
	12·33·00	12·33·30	+	37·0	42·0	5·0	14·0	14·0	
	12·34·00	12·34·30	⊙	13·9	32·9	19·0	14·1		
	12·35·00	12·35·30	+	37·2	42·0	4·8	14·4		
	12·36·00	12·36·30	⊙	8·5	27·9	19·4	—		$^{7}/_{8}$ overcast, ⌒\i, light fleecy clouds and \i.
OCT. 2ND, 1846. 8·33·15	8·30·00	8·30·30	⊙	11·0	25·5	14·5	—		
	8·31·00	8·31·30	+	29·6	33·0	4·6	10·2		
	8·32·00	8·32·30	⊙	11·6	26·5	15·1	10·9		
	8·33·00	8·33·30	+	33·5	37·3	3·8	11·0	10·9	
	8·34·00	8·34·30	⊙	12·5	27·0	14·5	10·9		
	8·35·00	8·35·30	+	31·3	34·0	3·3	11·3		
	8·36·00	8·36·30	⊙	12·5	27·3	14·8	—		⊙ perfectly clear during this set of observations.

ACTINOMETER.

Date. Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	Initial.	Terminal.		A. Initial.	B. Terminal.				
H. M. S.	H. M. S.	H. M. S.							
OCT. 2ND, 1846. 12·33·15	12·30·00	12·30·30	⊙	27·0	39·0	12·0	—	13·2	Occasional dense fleecy clouds on ⊙; ∖i during the whole of these observations.
	12·31·00	12·31·30	+	41·8	44·0	2·2	12·3		
	12·32·00	12·32·30	⊙	12·9	30·0	17·1	14·1		
	12·33·00	12·33·30	+	35·0	39·0	4·0	12·1		
	12·31·00	12·34·30	⊙	5·0	20·1	15·1	12·1		
	12·35·00	12·35·30	+	26·0	28·0	2·0	15·5		
	12·36·00	12·36·30	⊙	14·0	34·0	20·0	—		8/8 overcast, ⌒, dense fleecy clouds and ∖i.
OCT. 3RD, 1846. 12·34·15	12·30·00	12·30·30	⊙	8·0	15·0	7·0	—	6.1	∨⌒i on the ⊙ during these observations.
	12·31·00	12·31·30	+	7·0	19·8	2,8	5·4		
	12.32·00	12·32·30	⊙	15·3	24·8	9·5	6·9		
	12·33·00	12·33·30	+	27·5	30·0	2·5	6·7		
	12·34·00	12·34·30	⊙	14·0	23·0	9·0	6·3		
	12·35·00	12·35·30	+	27·0	30·0	3·0	5·2		
	12·36·09	12·36·30	⊙	9·5	17·0	7·5	—		8/8 overcast, ∨⌒i, light fleecy clouds and ⌒.
OCT. 5TH, 1846. 12·33·15	12·30 00	12·30·30	⊙	1.8	18·9	17·1	—	12·9	⊙ Clear.
	12·31·00	12·31·30	+	24·2	28·0	3·8	13·4		
	12·32·00	12·32·30	⊙	22·7	40 0	17·3	13·1		
	12·33·00	12·33·30	+	45·4	58·0	4·6	12·8		
	12·34·00	12·34·30	⊙	3·9	21·5	17·6	12·8		
	12·35·00	12·35·30	+	28·0	33·1	5·1	12·6		
	12·36·00	12·36·30	⊙	15·1	33·0	17·9	—		1/8 overcast, ⌒ and light fleecy clouds.
OCT. 6TH, 1846. 12·33·15	12·30.00	12·30·30	⊙	11·0	17·5	6·5	—	6·5	Dense undefined clouds on ⊙ during these observations.
	12·31·00	12·31·30	+	19·9	22·0	2·1	5·2		
	12·32·00	12·32·30	⊙	3·8	12·0	8·2	5·7		
	12·33·00	12·33·30	+	16·0	19·0	3·0	6·3		
	12·34·00	12·34·30	⊙	6·5	17·0	10·5	7·6		
	12·35·00	12.35·30	+	20·0	22·8	2·8	7·9		
	12·36·00	12·36·30	⊙	21·0	32·0	11·0	—		8/8 overcast, dense undefined clouds.
OCT. 7TH, 1846. 12·32·15	12·30·00	12·30·30	⊙	18·0	25·0	7·0	—	5·3	∨⌒i on ⊙ during these observations.
	12·31·00	12·31·30	+	27·3	29·0	1·7	4.9		
	12·32·00	12·32·30	⊙	3·8	10·0	6·2	4·3		
	12·33·00	12·33·30	+	12·9	15·0	2·1	5·1		
	12·34·00	12·34·30	⊙	21·8	30·0	8·2	6·2		⊙ shining faintly.
	12·35·00	12·35·30	+	34·0	36·0	2 0	5·8		
	12·36·00	12·36·30	⊙	42·5	50·0	7·5	—		8/8 overcast, ⌒i, dense fleecy clouds and ∨⌒∟i.
OCT. 8TH, 1846. 12·34·15	12·30·00	12·30·30	⊙	9·0	23·0	14.0	—	13·4	Fleecy clouds very near the ⊙ during these observations.
	12·31·00	12·31·30	+	26·0	26·0	2·0	13·6		
	12·32·00	12·32·30	⊙	19·8	37·0	17·2	14·2		
	12·33·00	12·33·30	+	42 0	46·0	4·0	13·1		
	12·34.09	12·34·30	⊙	13·0	30·0	17·0	12·5		
	12·35·00	12·35·30	+	35·0	40·0	5.0	13·5		
	12·36·00	12·36·30	⊙	25·0	45·0	20·0	—		6/8 overcast, ∨⌒i, and fleecy clouds.
OCT. 9TH, 1846. 12·33·15	12·30·00	12·30·30	⊙	28·0	33·8	5·8	—	3·4	∨⌒∟ like clouds on the ⊙ during these observations.
	12·31·00	12·31·30	+	36·1	38 5	2·4	3·2		
	12·32·00	12·32·30	⊙	17·0	22·5	5·5	3·1		
	12·33·00	12·33·30	+	25·5	28·0	2·5	3·3		
	12·34·00	12·34·30	⊙	17·8	24·0	6·2	3·7		
	12·35·00	12·35·30	+	27·4	30·0	2·6	4·0		
	12·36·00	12·36·30	⊙	17·0	24·0	7·0	—		8/8 overcast, ∨⌒∟ like clouds.
OCT. 10TH, 1846. 12·33.15	12·30·00	12·30·30	⊙	19·0	30·2	11·2	—	9·4	Light fleecy clouds on the ⊙ during these observations.
	12·31·00	12·31·30	+	33·3	35·2	1·9	10·4		
	12·32·00	12·32·30	⊙	46·8	60·2	13·4	10·9		
	12·33·00	12·33·30	+	65·8	69·0	3·2	9·3		
	12·34·00	12·34·30	⊙	16·8	28·5	11·7	8·0		
	12·35.00	12·35·30	+	22·8	27·0	4·2	8·6		
	12·36·00	12·36·30	⊙	39·0	53·0	14·0	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Time of Observation. Bombay, 1846. Terminal.	Exposure, sun or shade. ⊙ +	Readings. A. Initial.	Readings. B. Terminal	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
OCT. 12TH, 1846.	12·33·15	12·30·00	12·30·30	⊙	27·4	45·0	17·6	—	13·9	⊙ clear during these observations.
		12·31·00	12·31·30	+	55·0	58·8	3·8	13·8		
		12·32·00	12·32·30	⊙	17·5	35·1	17·6	13.7		
		12·33·00	12·33·30	+	12·9	17·0	4·1	13·6		
		12·34·00	12·34·30	⊙	32·8	50·5	17·7	14·2		
		12·35·00	12·35·30	+	56·0	59·0	3·0	14·4		
		12·36·00	12·36·30	⊙	21·8	38·0	17·0	—		Overcast, few ⌒ and fleecy clouds.
OCT. 13TH, 1846.	12·33·15	12·30.00	12·30·30	⊙	30·5	45·0	14·5	—	14·0	Light fleecy clouds, almost ⟍i, moving gently Northward on the ⊙ during these observations.
		12·31·00	12·31·30	+	48·0	50·5	2·5	13·5		
		12·32·00	12·32.30	⊙	13·0	30·5	17·5	14·2		
		12·23·00	12·33·30	+	35·9	40·0	4·1	14·1		
		12·34·00	12·34·30	○	16·0	35·0	19·0	14·3		
		12·35·00	12·35·30	+	42·0	47·4	5·4	14·1		
		12·36·00	12·36·30	⊙	30·0	50·0	20·0	—		6/8 overcast, light fleecy clouds, ⟍_ and ⟍i
OCT. 14TH, 1846.	12·33·15	12·30·00	12·30·30	⊙	38·0	53·5	15·5	—	13·6	Light fleecy clouds on the ⊙ during these observations.
		12·31·00	12·31·30	+	57·4	61·2	3·8	13·0		
		12·32·00	12·32·30	⊙	13·8	32·0	18·2	14·3		
		12·33·00	12·33·30	+	38·2	43·5	5·3	13·7		
		12·34·00	12·34·30	⊙	23·1	42·9	19.8	13·8		
		12·35·00	12·35·30	+	54·0	60·8	6·8	13·0		
		12·36·00	12·36·30	⊙	21·2	41·0	19·8	—		8/8 evercast, light fleecy clouds, ⟍ and ⟍_.
OCT. 15TH, 1846.	12·33·15	12·30·00	12·30·30	⊙	12·5	30·0	17·5	—	14·4	⟍i on the ⊙ during these observat ors.
		12·31·00	12·31·30	+	35·5	40·0	4·5	14·2		
		12·32·00	12,32·30	⊙	9·0	29·0	20·0	15·2		
		12·33·00	12·33·30	+	35·9	41·0	5·1	14·5		
		12·34·00	12,34·30	⊙	11·8	31·0	19·2	13·7		
		12·35.00	12·35·30	+	39·0	45·0	6·0	14·2		
		12·36·00	12·36·30	⊙	12·7	34·0	21·3	—		8/8 overcast, ⌒i, light fleecy clouds ⟍_ and ⟍.
OCT. 16TH, 1846.	12·33·15	12·30·00	12·30·30	⊙	15·0	33·7	18·9	—	15·6	A ridge of light fleecy ⌒ covered partly the ⊙ during the first observation ; it passed to the Westward, and the ⊙ remained quite clear to the last observation.
		12·31·00	12·31·30	+	40.0	46·8	6·8	13.6		
		12·32·00	12·32·30	⊙	15·0	37·0	22·0	15·3		
		12·33·00	12·33·30	+	44·0	50·7	6·7	15·7		
		12·34·00	12·34·30	⊙	9·6	32·5	22·9	16·6		
		12·35·00	12·35·30	+	40·0	46·0	6·0	17·2		
		12·36·00	12·36·30	⊙	22·5	46·0	23·5	—		8/8 overcast, ⌒, light fleecy ⌒i and ⌣⌒i.
OCT. 17TH, 1846.	12·33·15	12·30·00	12·30·30	⊙	1·0	17·8	16·8	—	13·7	⊙ clear during these observations
		12·31·00	12·31·30	+	24·0	29·7	5·7	12·0		
		12·32·00	12·32·30	⊙	16·9	35·5	18·6	12·9		
		12·33·00	12·33·30	+	42·0	47·8	5.8	14·1		
		12·34·00	12·34·30	⊙	17·0	38·0	21·0	15·1		
		12·35·00	12·35·30	+	44·9	51·0	6·1	14·6		
		12·36·00	12·36·30	⊙	6·6	27·0	20·4	—		6/8 overcast, ⌒, fleecy clouds and ⟍i.
OCT. 19TH, 1846.	12·33·15	12·30·00	12·30·30	⊙	4·4	19·0	14·6	—	14·1	⟍i very near the ⊙ in the South-west.
		12·31·00	12·31·30	+	23·0	25·8	2·8	13·1		
		12·32.00	12·32·30	⊙	40·5	57·7	17·2	13·8		
		12·33·00	12·33·30	+	63·9	68·0	4·1	14·2		
		12·34·00	12·31·30	⊙	16·0	35·5	19·5	15·0		
		12·35·00	12·35·30	+	21·0	26·0	5·0	14·5		
		12·36·00	12·36·30	⊙	43·0	62·5	19·5	—		6/8 overcast, ⌒, light fleecy clouds and ⟍i.
OCT. 20TH, 1846.	12·33·15	12·30·00	12·30·30	⊙	12·8	31·0	18·2	—	13·6	⊙ clear during these observations
		12·31·00	12·31·30	+	39·0	41·8	5·8	12·5		
		12·32·00	12·32.30	⊙	10·5	29·0	18·5	12·9		
		12·33·00	12·33.30	+	34·6	40·0	5·4	13·7		
		12·34·00	12·34·30	⊙	2·8	22·5	19·7	14·5		
		12·35·00	12·35·30	+	29·0	34·0	5·0	14·8		
		12·36·00	12·36·30	⊙	12·8	33.0	20·2	—		2/8 overcast, light fleecy clouds.

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Time of Observation. Bombay, 1846. Terminal.	Exposure, sun ⊙ or shade +	Readings. A. Initial.	Readings. B. Terminal.	Change per ½ min. B − A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
OCT. 21ST, 1846.	12·37·15	12·30·00	12·30·30	⊙	11·2	26·5	15·3	—	12·7	Light fleecy clouds on the ⊙ during these observations.
		12·31·00	12·31·30	+	32·4	37·0	4·6	12·0		
		12·32·00	12·32·30	⊙	54·2	72·0	17·8	12·7		
		12·33·00	12·33·30	+	79·2	84·9	5·7	12·7		
		12·34·00	12·34·30	⊙	11·9	31·0	19·1	13·0		
		12·35·00	12·35·30	+	38·4	45·0	6·6	13·2		
		12·36·00	12·36·30	⊙	11·5	32·0	20·5	—		⁸/₃ overcast, light fleecy clouds, _ and \i.
OCT. 22D, 1846.	12·33·15	12·30·00	12 30·30	⊙	7.9	22·0	14·1	—	14·0	Light fleecy clouds on the ⊙ during these observat ons.
		12·31·00	12·31·30	+	26·1	29·0	2·9	13·1		
		12·32·00	12·32·30	⊙	9·0	26·9	17·9	14·7		
		12·33.00	12·33·30	+	31·5	35·0	3·5	14·4		
		12·34·00	12·34·30	⊙	10·0	28·0	18·0	14·1		
		12·35·00	12·35·30	+	33·7	38·0	4·3	14·0		
		12·36·00	12·36·30	⊙	14·4	33·0	18·6	—		⁸/₃ overcast, light fleecy clouds and \i.
OCTOBER 24TH, 1846.	8·33·15	8·30·00	8·30·30	⊙	1·5	15·0	13·5	—	11·7	⊙ perfectly clear during these observations.
		8·31·00	8·31·30	+	17.0	18·0	1·0	12·2		
		8·32·00	8·32·30	⊙	5·5	18·5	13·0	11·5		
		8·33·00	8·33·30	+	21·0	23·0	2·0	11·0		
		8·34·00	8·34·20	⊙	6·0	19·0	13·0	11·5		
		8·35·00	8·35·30	+	21·0	22·0	1·0	12·2		
		8·36·00	8·36·30	⊙	7·5	21·0	13·5	—		
	9·33·15	9·30·00	9·30·30	⊙	38·0	50·0	12·0	—	13·4	⊙ clear during these observations.
		9·31·00	9·31·30	+	52·0	52·8	0·8	12·7		
		9·32·00	9·32·30	⊙	8·0	23·0	15·0	13·6		
		9·33·00	9·33·30	+	25·9	27·9	2·0	13·4		
		9·34·00	9·34·30	⊙	9·1	25·0	15·9	13·9		
		9·35·00	9·35·30	+	28·0	30·0	2·0	13·3		
		9·36·00	9·36·30	⊙	40·0	54·8	14·8	—		
	10·33·15	10·30·00	10·30·30	⊙	9·8	26·0	16·2	—	16·2	⊙ clear during these observations.
		10·31·00	10·31·30	+	28·0	30·0	2·0	15·1		
		10·32·00	10·32·30	⊙	10·3	28·3	18·0	16·0		
		10·33·00	10·33·30	+	32·0	34·0	2·0	16·4		
		10·34·00	10·34·30	⊙	14·2	33·0	18·8	16·7		
		10·35·00	10·35·30	+	37·8	40·0	2·2	16·6		
		10·36·00	10·36·30	⊙	10·0	28·9	18·9	—		
	11·33·15	11·30·00	11·30·30	⊙	9·8	25·0	15·2	—	15·2	⊙ clear during these observations.
		11·31·00	11·31·30	+	27·0	29·0	2·0	14·0		
		11·32·00	11·32·30	⊙	17.0	33·8	16·8	15·2		
		11·33·00	11·33·30	+	37·8	39·0	1·2	15·8		
		11·34·00	11·34·30	⊙	12·8	30·0	17·2	15·6		
		11·35·00	11·35·30	+	34·0	36·0	2·0	15·5		
		11·36·00	11·36·30	⊙	12·1	30·0	17·9	—		
	12·33·15	12·30·00	12·30·30	⊙	22·0	37·0	15·0	—	15·7	⊙ clear during these observations.
		12·31·00	12·31·30	+	38·9	39·4	0·5	15·4		
		12·32·00	12·32·30	⊙	15·2	32·0	16·8	16·1		
		12·33·00	12·33·30	+	34·0	35·9	1·9	15·2		
		12·34·00	12·34·30	⊙	14·0	31·5	17·5	15·7		
		12·35·00	12·35·30	+	33·2	35·0	1·8	15·9		
		12·36.00	12·36·30	⊙	20·5	38·5	18·0	—		
	1·33·15	1·30·00	1·30·30	⊙	6·0	20·2	14·2	—	14·8	⊙ hazy during these observations.
		1·31·00	1·31·30	+	20·7	20·8	0·1	14·6		
		1·32·00	1·32·30	⊙	14·0	29·2	15·2	14·7		
		1·33·00	1·33·30	+	31·0	32·0	1·0	14·4		
		1·34·00	1·34·30	⊙	11·4	27·0	15·6	15·0		
		1·35·00	1·35·30	+	28·6	28·8	0·2	15·1		
		1·36·00	1·36.30	⊙	14·7	29·7	15·0	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Time of Observation. Bombay, 1846. Terminal.	Exposure, sun or shade. + ⊙	Readings. A. Initial.	Readings. B. Terminal.	Change per ½ min. B—A.	Radiation in parts of scale.	Mean.	Remarks
	H. M. S.	H. M. S.	H. M. S.							
OCT. 24TH, 1846.	2·33·15	2·30·00	2·30·30	⊙	20·0	33 0	13·0	—	14·1	⊙ clear during these observations.
		2·31·00	2·31·30	+	33·0	32·3	− 0·7	14·2		
		2·32·00	2·32·30	⊙	10·2	24·2	14·0	14·4		
		2·33·00	2·33·30	+	25·0	24·8	− 0·2	14·1		
		2·34·00	2·34·30	⊙	11·8	25·6	13·8	13·8		
		2·35·00	2·35.30	+	25·7	26·0	0·3	13·8		
		2·36.00	2·36·30	⊙	14·6	29·0	14·4	—		
	3·33·15	3·30·00	3·30·30	⊙	8·0	18·5	10·5	—	11·8	⊙ hazy during these observations.
		3·31·00	3·31·30	+	18·8	17·5	− 1·3	11·8		
		3·32·00	3·32·30	⊙	8·4	19·0	10.6	11·9		
		3·33·00	3·33·30	+	19·0	17·6	− 1·4	11·9		
		3·34·00	3·34·30	⊙	8·6	19·0	10·4	11·5		
		3·35·00	3·35·30	+	19·0	18·1	− 0·9	11·7		
		3·36·00	3·36·30	⊙	9·8	21·0	11·2	—		
OCT. 25TH, 1846	4·33·15	4 30·00	4·30·30	⊙	2·7	9·8	7·1	—	5·6	⊙ hazy during these observations.
		4·31·00	4·31·30	+	13 0	14·2	1.2	6·2		
		4·32·00	4·32·30	⊙	3·2	11·0	7·8	6·4		
		4·33·00	4·33·30	+	13·5	15·0	1·5	5·5		
		4·34·00	4·34·30	⊙	3·0	9·2	6·2	5·2		
		4·35·00	4·35·30	+	11·0	12·0	1·0	4·7		
		4·36·00	4·36·30	⊙	2·8	8.0	5·2	—		
OCTOBER 26TH, 1846.	7·33·15	7·30·00	7·30·30	⊙	6·0	17·0	11·0	—	7.6	\ on the ⊙.
		7·31·00	7·31·30	+	19·0	21·0	2·0	7·3		„ „ „ „
		7·32·00	7·32·30	⊙	29·4	37·0	7·6	5·8		Fleecy ⌒ on the ⊙.
		7·33·00	7·33·30	+	39·0	40·5	1·5	7·5		\ on the ⊙
		7·34·00	7·34·30	⊙	7·0	17·5	10·5	8·7		„ „ „ „
		7·35·00	7·35·30	+	19·5	21·5	2·0	9·0		„ „ „ „
		7·36·00	7·36·30	⊙	32·5	44·0	11·5	—		„ „ „ „
	8·33·15	8·30·00	8·30·30	⊙	4·5	18·6	14·1	—	12·9	⊙ hazy
		8·31·00	8·31·30	+	22·0	24·0	2 0	12·4		„ „
		8·32·00	8·32·30	⊙	8·2	23·0	14·8	13 0		„ „
		8·33·00	8·33·30	+	27·0	28·5	1·5	13·4		„ „
		8·34·00	8·34·30	⊙	9·5	24·5	15·0	13·0		„ „
		8·35·00	8·35·30	+	27·8	30.2	2·4	12·8		„ „
		8·36·00	8·36 30	⊙	45·0	60·5	15·5	—		„ „
	9·33·15	9·30·00	9·30·30	⊙	8·0	12·0	4·0	—	2·0	A large mass of dense fleecy clouds almost ∿, moving Southward from West, obscured the ⊙ during these observations
		9·31·00	9 31·30	+	12·0	13·0	1·0	3·8		
		9·32·00	9·32·30	⊙	8·0	9·7	1·7	1·1		
		9·33·00	9·33·30	+	9·7	10·0	0·3	1·4		
		9·34·00	9·34·30	⊙	10·2	12·0	1·8	1·7		
		9·35·00	9·35·30	+	12·0	12·0	0·0	1·9		
		9·36·00	9·36·30	⊙	2·0	4·0	2·0	—		
	10·33·15	10·30 00	10·30·30	⊙	3·8	16·5	12·7	--	14·7	⊙ clear during these observations
		10·31·00	10·31·30	+	17·0	18·0	1·0	13·3		
		10·32·00	10·32·30	⊙	12·0	28·0	16·0	15·0		
		10·33·00	10·33·30	+	31·0	32·0	1·0	15·5		
		10·34·00	10.34·30	⊙	14·0	31·0	17·0	15·6		
		10·35·00	10·35·30	+	33·0	34·8	1·8	14·3		
		10·36·00	10·36·30	⊙	50·7	66·0	15·3	—		
	11·33·15	11·30·00	11·30·30	⊙	42·0	55·7	13·7	—	14·4	⊙ a little hazy during these observations
		11·31·00	11.31·30	+	59·0	59·7	0·7	13·7		
		11·32·00	11·32·30	⊙	8·8	24·0	15·2	13·9		
		11·33·00	11·33·30	+	25·0	26·9	1·9	13·8		
		11·34·00	11·34·30	⊙	13·8	30·0	16·2	15·0		
		11·35·00	11·35·30	+	31·7	32·2	0·5	15·4		
		11·36·00	11·36·30	⊙	9·4	25·0	15·6	—		

ACTINOMETER.

Date. Bombay Civil Time.		Time of Observation. Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
OCTOBER 26TH, 1846.	12·33·15	12·30·00	12·30·30	⊙	50·0	63·0	13·0	—	14·5	Very rare Ni on the ⊙ during these observations.
		12·31·00	12·31·30	+	66·0	67·0	1·0	13·8		
		12·32·00	12·32·30	⊙	15·3	30·9	15·6	14·9		
		12·33·00	12·33·30	+	32·0	32·4	0·4	15·3		
		12·34·00	12·34·30	⊙	14·2	30·0	15·8	15·1		
		12·35·00	12·35·30	+	32·0	33·0	1·0	13·5		
		12·36·00	12·36·30	⊙	4·0	17·3	13·3	—		
	1·33·15	1·30·00	1·30·30	⊙	10·4	25·4	15·0	—	14·8	⊙ Clear.
		1·31·00	1·31·30	+	27·0	28·0	1·0	14·0		Fleecy clouds passing over the ⊙.
		1·32·00	1·32.30	⊙	10·0	25·0	15·0	14·3		⊙ Clear.
		1·33·00	1·33·30	+	26·6	27·0	0.4	15·0		⊙ Clear.
		1·34·00	1·34·30	⊙	12·0	27·8	15·8	15·4		⊙ Clear.
		1·35.00	1,35·30	+	29·4	29·9	0·5	15·3		Fleecy clouds passing over the ⊙.
		1·36·00	1·36·30	⊙	11·6	27·4	15.8	—		⊙ Clear.
	2·33·15	2·30·00	2·30·30	⊙	9·8	22·0	12·2	—	13·6	⊙ a little hazy during these observations.
		2·31·00	2·31·30	+	21·5	20·0	- 1·5	13·8		
		2·32·00	2·32·30	⊙	11·0	23·5	12·5	13·9		
		2·33·00	2·33·30	+	23·4	22·0	- 1·4	13·6		
		2·34·00	2·34·30	⊙	9·4	21·4	12·0	13·3		
		2·35·00	2·35·30	+	20·5	19·3	- 1·2	13·2		
		2·36·00	2·36·30	⊙	10·0	22·0	12·0	—		
	3·38·15	3·30·00	3·30·30	⊙	9·4	20·4	11·0	—	11·6	⊙ clear during these observations.
		3·31·00	3·31·30	+	20·0	19·0	- 1·0	11·9		
		3·32·00	3·32·30	⊙	4·0	14·8	10·8	11·6		
		3·33·00	3·33·30	+	14·6	14·0	- 0·6	11·3		
		3·34·00	3·34·30	⊙	5·3	16·0	10·7	11·5		
		3·35·00	3·35·30	+	16·3	15·3	- 1·0	11·8		
		3·36·00	3·36·30	⊙	9·0	19·9	10·9	—		
	4·33·15	4·30·00	4·30·30	⊙	7·0	13·2	6·2	—	7·4	⊙ clear during these observations.
		4·31·00	4·31·30	+	12·0	10·0	- 2·0	8·2		
		4·32·00	4·32·30	⊙	6·0	12·2	6·2	8·0		
		4·33.00	4·33·30	+	11·5	9·8	- 1·7	7·6		
		4·34·00	4·34·30	⊙	5·2	10·8	5·6	7·2		
		4·35·00	4·35·30	+	9·0	7·5	- 1·5	6·1		
		4·36·00	4·36·30	⊙	4·0	7·6	3·6	—		
OCTOBER 27TH, 1846	7·33·15	7·30·00	7·30·30	⊙	1·4	5.3	3·9	—	8·2	Fleecy ⌒ on the ⊙.
		7·31·00	7·31·30	+	6·9	7·6	0·7	5·6		Haze on the ⊙
		7·32·00	7·32·30	⊙	5·2	14·0	8·8	7·9		" " "
		7·33·00	7·33·30	+	16·0	17·0	1·0	8·7		" " "
		7·34·00	7·34·30	⊙	25·8	36·5	10·7	9·7		" " "
		7·35·00	7·35·30	+	38·2	39·2	1·0	9·3		" " "
		7·36·00	7·36·30	⊙	7·5	17·5	10·0	—		" " "
	8·33.15	8·30·00	8·30·30	⊙	7·0	18·5	11·5	—	10·0	Ni on the ⊙ during these observations
		8·31·00	8·31·30	+	21·0	23·0	2·0	9·7		
		8·32·00	8·32·30	⊙	6·5	18·5	12·0	10·0		
		8·33·00	8·33·30	+	21·0	23·0	2.0	9·9		
		8·34·00	8·34·30	⊙	6·0	17·8	11·8	9·8		
		8·35·00	8·35·30	+	20·0	22·0	2·0	10·5		
		8·36.00	8·36·30	⊙	8·5	21·8	13·3	—		
	9·33·15	9·30·00	9·30·30	⊙	14·2	26·0	11·8	—	8·8	Dense fleecy clouds on the ⊙ during these observations
		9·31·00	9·31·30	+	27·0	27·0	0·0	11·3		
		9·32·00	9·32·30	⊙	15·9	26·8	10·9	10·9		
		9·33·00	9·33·30	+	29·0	29·0	0·0	10·9		
		9·34·00	9·34·30	⊙	5·1	16·0	10·9	10·8		
		9·35·00	9·35·30	+	17·0	17·2	0·2	9·9		
		9·36·00	9·36·30	⊙	12·6	22·0	9·4	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Time of Observation. Bombay, 1846. Terminal.	Exposure, sun or shade. + ⊙	Readings. A. Initial.	Readings. B. Terminal.	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
OCTOBER 27th, 1846.	10·33·15	10·30 00	10·30·30	⊙	7·3	19·8	12·5	—	14·0	Light fleecy ⌒i covered the ⊙ during the first three observations, and the remaining observations ⊙ was covered only with ∖ı
		10·31·00	10·31·30	+	20·0	20·0	0·0	13·7		
		10·32·00	10·32·30	⊙	7·0	22·0	15·0	11·6		
		10·33·00	10·33·30	+	26·1	27·0	0·9	14·6		
		10·34·00	10·34·30	⊙	16·0	32·0	16·0	15·5		
		10·35.00	10·35·30	+	33·9	34·0	0·1	14·9		
		10·36·00	10·36·30	⊙	10·0	24·0	14·0	—		
	12.33·15	11·30·00	11·30·30	⊙	4·0	16·5	12·5	—	14·8	⊙ clear during these observations.
		11·31·00	11·31·30	+	16·9	16·0	- 0·9	14·1		
		11·32·00	11·32·30	⊙	11·0	25·0	14·0	14·4		
		11·33·00	11·33·30	+	25·0	25·0	0·0	14·8		
		11.34·00	11·34·30	⊙	5·4	21·0	15·6	15·6		
		11·35·00	11·35·30	+	22·9	23·0	0·1	15·2		
		11·36·00	11.36·30	⊙	14·0	29·0	15·0	—		
	12·33·15	12·30·00	12·30·30	⊙	14·0	26·0	12·0	—	13·8	⊙ hazy during these observations.
		12·31·00	12·31·30	+	27·7	27·9	0·2	12·7		
		12·32·00	12·32·30	⊙	3·2	17·0	13·8	13·6		
		12·33·00	12·33·30	+	20·7	21·0	0·3	13·6		
		12·34·00	12·34·30	⊙	13·9	28·0	14·1	14·0		
		12·35·00	12·35·30	+	30·0	30·0	0·0	15·0		
		12·36·00	12·36·30	⊙	6·0	22·0	16·0	—		
	1·33·15	1·30·00	1·30·30	⊙	14·0	28·0	14·0	—	14·4	Thin ∖ near the ⊙, and hazy during these observations.
		1·31·00	1·31·30	+	29·0	29·4	0·4	14·3		
		1·32·00	1·32·30	⊙	11·0	26·4	15·4	14·5		
		1·33·00	1·33·30	+	28·6	30·0	1·4	14·4		
		1·34·00	1·34·30	⊙	14·6	30·8	16·2	14·3		
		1·35.00	1·35·30	+	33·6	36·0	2·4	14·7		
		1·36·00	1·36·30	⊙	14·6	32·6	18·0	—		
	2·33·15	2·30·00	2·30·30	⊙	8·8	23·0	14·2	—	14·5	⊙ clouded with ∖ during these observations.
		2·31·00	2·31·30	+	23·1	23.1	0·0	14·4		
		2·32·00	2·32·30	⊙	10·7	25·4	14·7	14·3		
		2·33·00	2.33·30	+	26·2	27·0	0·8	14·2		
		2·34·00	2·34·30	⊙	10·5	25·7	15·2	14·6		
		2·35·00	2·35·30	+	26·8	27·2	0·4	15·1		
		2·36·00	2·36·30	⊙	14·0	29·8	15·8	—		
	3·33·15	3·30·00	3·30·30	⊙	10·4	22·0	11·6	—	13·5	⊙ hazy during these observations.
		3·31·00	3·31·30	+	21·0	19·8	- 1·2	13·5		
		3·32·00	3·32·30	⊙	5·6	18 7	13·1	14·3		
		3·33·00	3·33·30	+	18·0	16·8	- 1·2	13·5		
		3·34·00	3·34·30	○	8·8	20·4	11·6	12·8		
		3·35·00	3·35·30	+	20·3	19·0	- 1·3	13·2		
		3·36·00	3·36·30	⊙	9·8	22·0	12·2	—		
	4·33·15	4·30·00	4·30·00	⊙	9·0	17·0	8·0	—	8·7	
		4·31·00	4·31·30	+	16·0	14·6	- 1·4	9·1		
		4·32·00	4·32·30	⊙	4·6	12·0	7·4	9·0		
		4·33·00	4·33·30	+	11·0	9·2	- 1·8	8·6		
		4·34·00	4·34.30	⊙	7·0	13·2	6·2	8·0		
		4·35·00	4·35·30	+	13·2	11·4	- 1·8			
		4·36·00	4·36·30	⊙	2·0	3·6	*1·6	—		* On account of the ⊙ getting into the shadow of a tree.
OCT. 28th, 1846.	7·33·15	7.30·00	7·30·30	⊙	3·0	11·4	8·1	—	4·5	⊙ overcast with fleecy clouds during the whole set of observations.
		7·31·00	7·31·30	+	14·0	15·2	1.2	6·6		
		7·32·00	7·32·30	⊙	3·0	10·2	7·2	5·6		
		7·33·00	7·33·30	+	12·2	14·2	2·0	3·8		
		7·34·00	7·34·30	⊙	3·5	8·0	4·5	2·5		
		7·35·00	7·35·30	+	9·5	10·5	1·0	4·3		
		7·36·00	7·36·30	⊙	2·3	8·5	6·2	—		

ACTINOMETER.

Date. Bombay Civil Time.		Time of Observation. Bombay, 1846.		Exposure, sun ⊙ or shade +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
OCTOBER 28TH, 1846.	8.33.15	8·30·00	8·30·30	⊙	5·0	18·0	13·0	—	12·4	⊙ clear during these observations.
		8·31·00	8·31·30	+	20·4	22·0	1·6	13·2		
		8·32·00	8·32·30	⊙	9·8	24·4	14·6	12·9		
		8·33·00	8·33·30	+	27·2	28·9	1·7	13·1		
		8·34.00	8·34·30	⊙	8·8	23·0	14·2	12·3		
		8·35·00	8 35·30	+	25·5	27·5	2·0	12·3		
		8·36·00	8·36·30	⊙	9·5	24·0	14·5	—		
	9·33·15	9·30.00	9·30·30	⊙	5·1	19·0	13·9	—	14·0	Light fleecy clouds on the ⊙ during these observations.
		9·31.00	9·31·30	+	20·0	20·2	0·2	13·6		
		9·32·00	9·32·30	⊙	31·5	45·2	13.7	13·2		
		9·33·00	9·33·30	+	47·0	47·9	0·9	13·9		
		9.34·00	9·34·30	⊙	10·0	26·0	16·0	15·1		
		9·35·30	9·35·00	+	27·0	28·0	1·0	15·2		
		9·36·30	9·36 00	⊙	12·0	28·5	16·5	—		
	10·33·15	10·30·00	10·30·30	⊙	6·0	20·0	14·0	—	15·1	Ni on and fleecy clouds about the ⊙ during these observations.
		10.31·00	10·31·30	+	19·1	19·5	0·4	13·1		
		10·32·00	10·32·30	⊙	7·0	20·1	13·1	13·4		
		10·33.00	10·33·30	+	22·0	21·0	- 1·0	15·1		
		10·34·00	10·34·30	⊙	12·1	27·2	15·1	16·5		
		10·35·00	10·35·30	+	27·8	26·0	- 1·8	17·3		
		10·36·00	10.36·30	⊙	10·1	26·0	15·9	--		
	11·33.15	11·30·00	11.30·30	⊙	11·2	26·2	15·0	—	15·2	Light fleecy clouds on the South side of the ⊙ moving Southward during the observations.
		11.31·00	11.31·30	+	27·7	27·0	- 0·7	15·8		
		11·32·00	11·32·30	⊙	11·6	26·9	15·3	16·1		
		11·33·00	11·33·30	+	27·9	27·0	- 0·9	15·6		
		11·34·00	11·34·30	⊙	10·9	25·0	14·1	14·5		
		11·35·00	11·35·30	+	26·8	26·8	0·0	14·0		
		11·36·00	11·36·30	⊙	40.0	54·0	14·0	—		
	12·33·15	12·30·00	12·30·30	⊙	27.0	40·1	13·1	—	15·7	Light fleecy clouds very near the ⊙ during these observations.
		12·31·00	12·31·30	+	40·0	38·0	- 2·0	15·9		
		12·32·00	12·32·30	⊙	12·0	26·8	14·8	16·5		
		12·33·00	12·33·30	+	27·0	25·5	- 1·5	15·9		
		12·34·00	12·34.30	⊙	3·0	17·0	14·0	15·2		
		12·35·00	12·35·30	+	19·0	18.0	- 1·0	15·2		
		12·36·00	12·36·30	⊙	30·5	45·0	14·5	—		
	1·33·15	1·30·00	1·30·30	⊙	13·8	28·0	14·2	—	15·5	⊙ hazy during these observations.
		1·31.00	1·31·30	+	28·7	28 0	- 0·7	15·4		
		1·32·00	1·32·30	⊙	10·8	26·0	15·2	15·5		
		1·33.00	1·33·30	+	26·8	26·8	0·0	15·7		
		1·34·00	1·34·30	⊙	14·0	30·2	16·2	15·8		
		1·35·00	1·35·30	+	32·2	33·0	0·8	15·2		
		1 ·36·00	1.36·30	⊙	12·2	28·0	15·8	—		
	2·33·15	2·30·00	2·30·30	⊙	8·8	22·0	13·2	—	14·6	⊙ hazy during these observations.
		2·31·00	2.31·30	+	21·6	20·8	- 0·8	14·2		
		2·32·00	2·32·30	⊙	11·6	25·2	13·6	14·6		
		2·33·00	2·33·30	+	24·5	23·3	- 1·2	14·9		
		2·34·00	2·34·30	⊙	12·0	25·8	13·8	14·9		
		2·35·00	2·35·30	+	25·0	24·0	- 1·0	14·5		
		2·36·00	2·36·30	⊙	12·0	25.2	13·2	—		
	3·33·15	3·30·00	3·30·30	⊙	4·0	14·8	10·8	—	12·8	⊙ hazy during these observations.
		3·31·00	3·31·30	+	13·0	11·0	- 2·0	12·9		
		3·32·00	3·32·30	⊙	11·0	22·0	11·0	12·8		
		3·33.00	3·33·30	+	20·4	18·8	- 1·6	12·6		
		3·34·00	3·34·30	⊙	8·8	19·8	11·0	12·8		
		3·35·00	3·35·30	+	18·0	16·0	- 2·0	12·7		
		3.36·00	3·36·30	⊙	8·0	18·4	10·4	—		

ACTINOMETER.

Date	Bombay Civil Time.	Time of Observation Bombay, 1846.		Exposure, sun or shade. + ⊙	Readings		Change per ½ min B—A.	Radiation in parts of Scale.	Mean.	Remarks
		Initial	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
OCT. 28TH, 1846.	4.33·15	4·30·00	4·30·30	⊙	7·0	14·0	7·0	—	8·1	⊙ hazy
		4·31·00	4·31·30	+	11·7	10·0	- 1·7	8·5		⊙ hazy.
		4·32·00	4·32·30	⊙	5·0	11·7	6·7	8·3		⊙ hazy.
		4·33·00	4·33·30	+	9·4	7·8	- 1·6	8·0		⊙ hazy.
		4·34·00	4·34·30	⊙	7·1	13·2	6·1	7·9		a little cloudy
		4·35·00	4·35·30	+	11·2	9·2	- 2·0	7·8		a little cloudy.
		4·36·00	4·36·30	⊙	6·4	12·0	5·6	—		a little cloudy.
OCTOBER 29TH, 1846.	7·33 15	7.30·00	7·30·30	⊙	10·8	22·0	11·2	—	9·4	⊙ hazy during the whole set of observations
		7·31·00	7·31·30	+	24·0	25·5	1·5	9·2		
		7 32.00	7·32·30	⊙	1·2	11·0	10·2	8·9		
		7·33·00	7·33·30	+	13·2	14·2	1·0	9·4		
		7·34·00	7·34·30	⊙	5·6	16·2	10·6	9·6		
		7·35·00	7·35·30	+	18·0	19·0	1·0	9·6		
		7·36·00	7·36·30	⊙	6·8	17·5	10·7	—		
	8·33·15	8·30·00	8·30·30	⊙	3.5	17·5	14·0	—	12·3	⊙ clear during these observations.
		8·31·00	8·31·30	+	19·5	20·5	1·0	13·1		
		8·32·00	8·32·30	⊙	5·7	20·0	14·3	12·8		
		8·33·00	8·33·30	+	23·0	25·0	2·0	12·2		
		8·34·00	8·34·30	⊙	8·8	23·0	14·2	12·2		
		8·35·00	8 35·30	+	26·5	28·5	2·0	13·0		
		8·36·00	8·36·30	⊙	7·2	23·0	15·8	—		
	9.33·15	9·30·00	9·30·30	⊙	3·0	13·0	10·0	—	13·4	⊙ clear during these observations.
		9·31·00	9·31·30	+	14·9	13·0	- 1·9	13·6		
		9·32·00	9·32·30	⊙	11·5	25·0	13·5	14.1		
		9·33·00	9·33·30	+	25·8	27·5	0·7	12·7		
		9·34·00	9·34·30	⊙	11·7	25·0	13·3	12·5		
		9·35·00	9·35·30	+	27·0	28·0	1·0	13·9		
		9·36·00	9·36·30	⊙	16·0	32·5	16·5	—		
	10·33·15	10·30 00	10·30·30	⊙	9·0	23·9	14·9	—	16·8	⊙ clear during these observations.
		10·31·00	10.31·30	+	25·8	26·0	0·2	15·7		
		10·32·00	10·32·30	⊙	14·0	31.0	17·0	16·4		
		10·33·00	10·33·30	+	33·0	34·0	1·0	17·0		
		10·34·00	10·34·30	⊙	12·9	31·9	19·0	17·4		
		10·35·00	10·35·30	+	35·0	37·3	2·3	17·4		
		10·36·00	10·36·30	⊙	19·0	37·5	18.5	—		
	11·33·15	11·30·00	11·30·30	⊙	5·8	18·9	13·1	—	15·7	⊙ clear during these observations
		11·31·00	11·31·30	+	20·0	20·0	0·0	15·0		
		11·32·00	11·32·30	⊙	4·9	21·8	16·9	15·4		
		11.33·00	11·33·30	+	22·9	24·0	1·1	15·8		
		11·34·00	11 34·30	⊙	20·0	37·0	17·0	16·0		
		11·35·00	11·35·30	+	39·0	40·0	1·0	16·5		
		11·36·00	11·36·30	⊙	6·0	24·0	18·0	—		
	12·33·15	12·30·00	12·30·30	⊙	10·5	27·0	16·5	—	16·7	⊙ clear during these observations.
		12·31·00	12·31 30	+	27·0	26·5	- 0·5	17·0		
		12·32·00	12 32·30	⊙	5·5	22·0	16·5	16·8		
		12·33·00	12·33·30	+	22·9	22·8	- 0·1	16·1		
		12·34·00	12·34·30	⊙	12·0	28·0	16·0	16·5		
		12 35·00	12·35·30	+	30·0	29·0	- 1·0	17·2		
		12·36·00	12 36·30	⊙	7·0	23·5	16·5	—		
	1·33·15	1·30·00	1·30·30	⊙	7·1	21·0	13·6	—	15·3	⊙ hazy during these observations
		1·31·00	1·31·30	+	20·4	20·0	- 0·4	14·6		
		1·32·00	1·32·30	⊙	11·3	26·1	14·8	15·3		
		1·33·00	1·33·30	+	26·6	26·0	- 0·6	15·6		
		1·34·00	1·34·30	⊙	12·8	28·0	15·2	15·4		
		1·35·00	1·35·30	+	28·4	28·6	0·2	15·4		
		1·36·00	1·36·30	⊙	13·5	29·6	16·1	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation, Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
OCTOBER 29TH, 1846.	2·33·15	2·30·00	2·30·30	⊙	12·2	25·8	13·6	—	14·7	⊙ clear during these observations.
		2·31·00	2·31·30	+	25·1	24·0	- 1·1	14·7		
		2·32·00	2·32·30	⊙	12·8	26·4	13·6	14·6		
		2·33·00	2·33·30	+	26·0	25.1	- 0·9	14·8		
		2·34·00	2·34·30	⊙	12·8	27·0	14.2	14·7		
		2·35·00	2·35·30	+	26·7	26·6	- 0·1	14·7		
		2·36·00	2·36·30	⊙	13·0	28·0	15·0	—		
	3·33·15	3·30·00	3·30·30	⊙	9·6	21·8	12·2	—	13·7	⊙ hazy during these observations. \ very near the ⊙ . . .
		3·31·00	3·31·30	+	19·8	18 0	- 1·8	14·1		
		3.32·00	3·32·30	⊙	10·2	22·6	12·4	14·1		
		3·33·00	3·33·30	+	21·8	20·2	- 1·6	13·8		
		3·34·00	3·34·30	⊙	11·2	23·2	12·0	13·3		
		3·35·00	3·35·30	+	22·4	21·4	- 1·0	13·3		
		3·36·00	3·36·30	⊙	12·2	24·8	12·6	—		
	4·33·15	4·30·00	4·30·30	⊙	13·8	21·8	8·0	—	9·3	⊙ a little hazy ; and _ near the ⊙ during these observations.
		4·31·00	4·31·30	+	20·2	19·0	- 1·2	9·2		
		4·32·00	4·32·30	⊙	11·8	19·7	7·9	9·2		
		4·33·00	4·33·30	+	18·0	16·6	- 1·4	9·2		
		4·34·00	4·34·30	⊙	8·0	15·8	7·8	9·5		
		4·35·00	4·35·30	+	14·3	12 3	- 2·0	9·4		
		4·36·00	4·36·30	⊙	7·0	14·0	7·0	—		
OCTOBER 30TH, 1846.	7·33·15	7·30.00	7·30·30	⊙	3·2	15·2	12·0	—	9 8	⊙ a little hazy during these observations.
		7·31·00	7·31·30	+	18·8	20·5	1·7	10·3		
		7·32·00	7·32·30	⊙	4·2	16·2	12·0	10·1		
		7·33·00	7·33·30	+	19·5	21·5	2·0	9·7		
		7·34·00	7·34·30	⊙	60·0	71 5	11·5	9·2		
		7·35·00	7.35·30	+	74·0	76·5	2·5	9·4		
		7·36·00	7·36·30	⊙	9·8	22·2	12·4	—		
	8·33·15	8·30·00	8·30·30	⊙	7·2	22·0	14·8	—	12·9	⊙ a little hazy during these observations.
		8·31·00	8·31·30	+	24·8	27·2	2·4	12·6		
		8·32·00	8·32·30	⊙	10 3	25·0	15·3	12·5		
		8·33·00	8·33·30	+	28·5	31·7	3·2	12·4		
		8·34·00	8·34·30	⊙	10·5	26·5	16·0	13·4		
		8·35·00	8·35·30	+	29·6	31·5	1·9	13·8		
		8·36·00	8·36·30	⊙	13·0	28·5	15·5	—		
	9·33·15	9·30·00	9·30·30	⊙	9·0	23·0	14·0	—	14·2	⊙ clear during these observations.
		9·31·00	9·31·30	+	25·0	26·8	1·8	13·2		
		9·32·00	9·32·30	⊙	9·0	25·0	16·0	14·1		
		9·33·00	9·33·30	+	27·9	30·0	2·1	14·5		
		9·34.09	9·34·30	⊙	11·6	28·9	17·3	14·8		
		9·35·00	9·35·30	+	32·0	35 0	3·0	14·6		
		9·36·00	9·36·30	⊙	13·8	31·8	18·0	—		
	10·33·15	10·30·00	10·30·30	⊙	37·0	52·0	15·0	—	16·4	⊙ clear during these observations
		10·31·00	10 31·30	+	54·9	54·0	- 0·9	17·0		
		10·32·00	10·32·30	⊙	10·0	27·2	17·2	17·2		
		10·33·00	10·33·30	+	29·0	30·0	1·0	16·1		
		10·34·00	10·34·30	⊙	5·7	22·8	17·1	16·0		
		10·35·00	10·35·30	+	26.3	27·9	1·3	15·7		
		10·36·00	10·36·30	⊙	6.9	23·9	17·0	—		
	11·33.15	11·30·00	11·30·30	⊙	0·4	16·0	15·6	—	15·6	⊙ clear during these observations.
		11·31·00	11·31·30	+	17·0	16·8	- 0·2	16·0		
		11·32·00	11·32·30	⊙	12·0	28·0	16·0	16·1		
		11·33·00	11·33·30	+	29·0	29·0	0·0	15·3		
		11·34·00	11·34·30	⊙	11·8	26·5	14·7	14·8		
		11·35.00	11·35·30	+	28·0	27·8	- 0·2	15·8		
		11·36·00	11·36·30	⊙	13·4	30·0	16·6	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Time of Observation. Bombay, 1846. Terminal	Exposure, sun or shade. ⊙ +	Readings. A. Initial.	Readings. B. Terminal	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M.S.	H. M. S.	H. M. S.							
OCTOBER 30TH, 1846.	12·33·15	12·30·00	12·30·30	⊙	2·8	17·0	14·2	—	15·1	⊙ clear during these observations
		12·31·00	12·31·30	+	16·9	16·3	- 0.6	15·3		
		12·32·00	12·32·30	⊙	7·5	22·8	15·3	15·2		
		12·33·00	12·33·30	+	24·0	24·8	0·8	14·8		
		12·34·00	12·34·30	⊙	9·1	25·0	15·9	15·1		
		12·35·00	12·35·30	+	31·0	31·9	0·9	15·3		
		12·36·00	12·36·30	⊙	12·0	28·5	16·5	—		
	1·33·15	1·30.00	1·30·30	⊙	15·4	31·6	16·2	—	14·9	[illegible] over the ⊙ during these observations
		1·31·00	1·31·30	+	34·2	36·0	1·8	14·5		
		1·32·00	1·32.30	⊙	9.6	26·0	16·4	14·7		
		1·23·00	1·33·30	+	28·0	29·6	1·6	14·9		
		1·34·00	1·34·30	○	13·0	29·6	16·6	14·9		
		1·35·00	1·35·30	+	32·1	34·0	1·9	15·4		
		1·36·00	1·36·30	⊙	16·0	34·0	18·0	—		
	2·33·15	2·30·00	2·30 30	⊙	10·0	24·0	14·0	—	15·1	⊙ a little hazy during these observations
		2·31·00	2 31·30	+	24·0	23·3	- 0·7	15·1		
		2·32·00	2·32·30	⊙	10·0	24·8	14·8	15.4		
		2·33·00	2·33·30	+	24·5	24·0	- 0·5	15·2		
		2·34 00	2·34·30	⊙	10·0	24·6	14·6	14·9		
		2·35·00	2·35·30	+	24·8	24·6	- 0·2	14·8		
		2·36·00	2·36·30	⊙	9·4	24·0	14·6	—		
	3·33·15	3·30·00	3·30·30	⊙	5.8	16·8	11·0	—	13·0	⊙ a little hazy during these observations
		3·31·00	3·31·30	+	16·0	14·2	- 1·8	12·9		
		3·32·00	3.32·30	⊙	9·7	21·0	11.3	12·8		
		3·33·00	3·33·30	+	21·1	19·9	- 1·2	12·8		
		3·34·00	3.34·30	⊙	9·7	21·7	12·0	13·1		
		3·35.00	3·35·30	+	21·0	20·0	- 1·0	13·4		
		3·36·00	3·36·30	⊙	10·8	23·6	12·8	—		
	4·33·15	4·30·00	4·30·30	⊙	9·7	17·1	7·4	—	8·7	⊙ a little hazy during these observations
		4·31·00	4·31·30	+	17·0	15·0	- 2·0	9·2		
		4·32·00	4·32·30	⊙	7·0	14·0	7·0	8.8		
		4·33·00	4·33·30	+	13·6	12·0	- 1·6	8·6		
		4·34·00	4·34·30	⊙	7.2	14·2	7·0	8·6		
		4·35·00	4·35·30	+	13·3	11·6	- 1·7	8·2		
		4·36·00	4·36·30	⊙	18·6	21.6	6·0	—		
OCTOBER 31ST, 1846.	7·33·15	7·30·00	7·30·30	⊙	3·8	11·8	11 0	—	8·7	Mist on the ⊙ during these observations
		7·31·00	7·31·30	+	18·0	20·4	2·4	8·6		
		7·32·00	7·32·30	⊙	9·4	20·5	11·1	8·4		
		7·33·00	7·33·30	+	23·5	26·5	3·0	8·4		
		7·34·00	7·34·30	⊙	9·4	21·2	11·8	8·9		
		7·35·00	7·35·30	+	21·2	27·0	2·8	9·2		
		7·36·00	7·36·30	⊙	9·3	21·5	12·2	—		
	8·33·15	8·30·00	8·30·30	⊙	5·0	17·8	12·8	—	12·2	Slight mist on the ⊙ during these observations
		8·31·00	8·31·30	+	19·8	21·5	1·7	11·8		
		8·32.00	8·32·30	⊙	10·2	24·5	14·3	12·3		
		8·33·00	8·33·30	+	27·0	29·2	2·2	12·1		
		8·34·00	8·34·30	⊙	11·1	25·5	14·4	12·0		
		8·35·00	8·35 30	+	28·0	30·5	2·5	12·6		
		8·36·00	8·36·30	⊙	11·5	27·4	15·9	—		
	9·33·15	9·30·00	9·30·30	⊙	9·0	24·7	15·7	—	14·8	⊙ clear during these observations.
		9·31·00	9·31·30	+	26·0	28·0	2·0	13·6		
		9·32·00	9·32.30	⊙	41·0	56·5	15·5	14·0		
		9·33·00	9·33.30	+	60·0	61·0	1·0	15·4		
		9·34·00	9·34·30	⊙	6·6	24·0	17·4	15·8		
		9·35·00	9·35·30	+	28·0	30·2	2·2	15·0		
		9·36·00	9·36·30	⊙	5·5	22·5	17·0	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Time of Observation. Bombay, 1846. Terminal.	Exposure, sun or shade. ⊙ +	Readings. A. Initial.	Readings. B. Terminal.	Change per ½ min. B − A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
OCTOBER 31ST, 1846.	10·33·15	10·30·00	10·30·30	⊙	36·5	51·8	15·3	—	15·4	⊙ clear during these observations.
		10·31·00	10·31·30	+	52·8	53·5	0·7	15·5		
		10·32·00	10·32·30	⊙	2·8	19·0	17·2	16·2		
		10·33·00	10·33 30	+	20·6	22·0	1·4	15·4		
		10·34·00	10·34·30	⊙	10·8	27·5	16·7	15 0		
		10·35·00	10·35·30	+	30·0	32·0	2 0	15·0		
		10·36·00	10·36·30	⊙	13·5	30·9	27·4	—		
	11·33·15	11·30·00	11 30·30	⊙	3·3	18·8	15·5	—	15·6	⊙ clear during these observations.
		11·31·00	11·31·30	+	21·8	22·0	0·2	15 9		
		11·32·00	11·32·30	⊙	16·8	33·5	16 7	16·3		
		11·33.00	11·33·30	+	36·8	37·5	0·7	15·8		
		11·34·00	11·34·30	⊙	4·7	21·0	16·3	14 9		
		11·35·00	11·35·30	+	24·0	26·1	2·1	15·3		
		11·36·00	11·36·30	⊙	11·8	30·3	18·5	—		
	12·33·15	12·30·00	12·30·30	⊙	10·0	26·0	16·0	—	16·2	⊙ clear during these observations.
		12·31·00	12·31·30	+	28·0	29·0	1·0	15·7		
		12·32·00	12·32·30	⊙	12·5	30·0	17·5	16·5		
		12·33·00	12·33·30	+	31·9	33·0	1·1	16·3		
		12·34·00	12·34·30	⊙	12·2	29·5	17·3	16·2		
		12·35·00	12·35·30	+	31·9	33·0	1·1	16·5		
		12·36·00	12·36·30	⊙	8·0	26·0	18·0	—		
	1·33·15	1·30·00	1·30·30	⊙	8·0	22·0	14·0	—	15·4	⊙ clear.
		1·31·00	1·31·30	+	22·0	21·6	- 0·4	15 0		
		1·32·00	1·32·30	⊙	11·7	27·0	15·3	15·4		
		1·33·00	1·33·30	+	26·8	27·0	0·2	15·3		
		1·34·00	1·34·30	⊙	13·9	29·7	15·8	15·5		
		1·35·00	1·35·30	+	30·0	30·5	0·5	15·6		
		1·36·00	1·36·30	⊙	14·2	30·6	16·4	—		
	2·33·15	2·30·00	2·30·30	⊙	7·0	22·4	15·4	—	14·9	⊙ hazy
		2·31·00	2·31·30	+	24·0	23·0	- 1·0	15·9		
		2·32·00	2·32·30	⊙	11.0	25·4	14·4	14·7		
		2·33·00	2·33·30	+	25·4	25·8	0·4	14·1		
		2·34·00	2·34·30	⊙	10·2	24·8	14·6	14·5		
		2·35·00	2·35·30	+	25·4	25·2	- 0·2	15·5		
		2·36·00	2·36·30	⊙	11·0	27·0	16·0	—		
	3·33·15	3·30·00	3·30·30	⊙	6·2	16·4	10·2	—	12·9	⊙ hazy
		3·31·00	3·31·30	+	13·8	11.8	- 2·0	12·7		
		3 32·00	3·32·30	⊙	9·7	21·0	11·2	13·2		
		3·33·00	3·33·30	+	19.0	17·2	- 1·8	13·0		
		3·34·00	3·34·30	⊙	10·8	22·0	11·2	12·8		
		3·35·00	3·35·30	+	20·0	18·6	- 1·4	12·6		
		3·36·00	3·36·30	⊙	9·8	21·0	11·2	—		
NOV. 1ST, 1846.	4·33·15	4·30·00	4·30·30	⊙	2·0	9·0	7·0	—	5·6	⊙ hazy during these observations.
		4·31·00	4·31·30	+	10·5	11·5	1 0	6.2		
		4·32·00	4·32·30	⊙	18·2	25·0	7·2	5·9		
		4·33·00	4·33·30	+	26·5	28·0	1·5	5.3		
		4·34·00	4·34·30	⊙	4·0	10·5	6·5	5·2		
		4·35·00	4·35·30	+	12·5	13·5	1·0	5·2		
		4·36.00	4·36·30	⊙	5·5	11·2	5·7	—		
NOV. 2ND 1846.	7·33·15	7·30·00	7·30·30	⊙	3·4	14·4	11·0	—	9·5	Mist on the ⊙ during these observations
		7·31·00	7·31·30	+	16·9	18·5	1·6	9·6		
		7·32·00	7·32·30	⊙	8·3	19·5	11·2	9·3		
		7·33·00	7·33·30	+	21·9	24·0	2·1	9·2		
		7·34·00	7·34·30	⊙	9·2	20·5	11·3	9·5		
		7·35·00	7·35·30	+	24·0	25·4	1·4	10·0		
		7·36·00	7·36.30	⊙	8.5	20·0	11·5	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun ⊙ or shade +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
NOVEMBER 2ND, 1846.	8·33·15	8·30·00	8·30·30	⊙	4·0	17·8	13·8	—	12·7	Mist on the ⊙ during these observations
		8·31·00	8·31·30	+	20·2	21·8	1·6	12·3		
		8·32·00	8·32·30	⊙	10·6	24·7	14·1	12·4		
		8·33·00	8·33·30	+	27·2	29·0	1·8	12·4		
		8·34·00	8·34·30	⊙	10·7	25·0	14·3	12·7		
		8·35·00	8·35.30	+	27·8	29·2	1·4	13·5		
		8·36.00	8·36·30	⊙	11·8	27.2	15·4	—		
	9·33·15	9·30·00	9·30·30	⊙	20·0	33·9	13·9	—	14·3	⊙ clear during these observations.
		9·31·00	9·31·30	+	35·5	36·0	0·5	14·0		
		9·32·00	9·32·30	⊙	12·8	27·9	15·1	14·0		
		9·33·00	9·33·30	+	30·2	31·9	1·7	14·1		
		9·34·00	9·34·30	⊙	16·0	32·5	16·5	14·3		
		9·35·00	9·35·30	+	35·7	38·5	2·8	15·3		
		9·36·00	9·36·30	⊙	11·8	31·5	19·7	—		
	10·33·15	10 30·00	10·30·30	⊙	5·5	19·0	13·5	—	15·3	⊙ clear during these observations
		10·31·00	10·31·30	+	20·5	21·0	0·5	13·9		
		10·32·00	10·32·30	⊙	10·0	25·3	15·3	14·1		
		10·33·00	10·33·30	+	29·0	31·0	2.0	15·0		
		10·34·00	10·34·30	⊙	13·0	31·8	18·8	16·8		
		10·35·00	10·35·30	+	35·0	37·0	2·0	16·8		
		10·36·00	10·36·30	⊙	12·2	31·0	18·8	—		
	11·33·15	11·30·00	11·30·30	⊙	18·8	33·0	14.2	—	15.7	⊙ clear during these observations.
		11·31·00	11·31·30	+	34.0	34·8	0·8	14·3		
		11·32·00	11·32·30	⊙	12·9	29·0	16·1	15·0		
		11·33·00	11·33·30	+	31·5	33·0	1·5	15·9		
		11·34·00	11·34·30	⊙	4·7	23·5	18·8	16·7		
		11·35·00	11·35·30	+	27·2	30·0	2·8	16·7		
		11·36·00	11·36·30	⊙	9·8	30·0	20·2	—		
	12·33·15	12·30·00	12·30·30	⊙	6·0	22·0	16·0	—	16·0	⊙ clear during these observations
		12·31·00	12·31·30	+	22·0	21·5	- 0·5	16·0		
		12·32·00	12·32·30	⊙	16·1	31·2	15·1	15·0		
		12 33·00	12·33·30	+	32·2	33·0	0·8	15·9		
		12·34·00	12·34·30	⊙	12·2	30·5	18·3	16·9		
		12·35·00	12·35·30	+	32·0	34·0	2·0	16·4		
		12·36·00	12·36 30	⊙	11·9	30·5	18 6	—		
	1·33·15	1·30·00	1·30·30	⊙	6·0	20·0	14·0	—	15·1	⊙ clear.
		1·31·00	1·31·30	+	20·6	20·6	0·0	14·7		
		1·32·00	1·32·30	⊙	14·6	30·0	15·4	15·3		
		1·33·00	1·33·30	+	30·8	31·0	0·2	15·3		
		1·34·00	1·34·30	⊙	16·4	32·0	15·6	15·2		
		1·35·00	1·35·30	+	33·0	33·6	0·6	15·2		
		1·36·00	1·36·30	⊙	12·0	28.0	16·0	—		
	2·33·15	2·30 00	2·30·30	⊙	12·0	25·8	13·8	—	15·7	⊙ a little hazy.
		2·31·00	2·31·30	+	25·6	24·6	- 1·0	15·0		
		2·32·00	2·32·30	⊙	10·8	25·0	14·2	14·9		
		2·33·00	2·33·30	+	24·8	24·4	- 0·4	15·7		
		2·34·00	2.34·30	⊙	15.2	31·6	16·4	16·8		
		2·35·00	2·35·30	+	30·6	30·2	- 0·4	16·1		
		2·36·00	2·36·30	⊙	14·6	29·6	15·0	—		
	3·33·15	3·30·00	3·30·30	⊙	14.6	26·2	11·6	—	13·0	⊙ clear.
		3·31·00	3.31·30	+	25·0	23·7	- 1·3	12·7		
		3·32·00	3·32·30	⊙	13·8	25·0	11·2	12·5		
		3·33·00	3·33·30	+	23·4	22·0	- 1·4	12·9		
		3·34·00	3·34·30	⊙	11·2	23·0	11·8	13·4		
		3·35·00	3·35·30	+	21·2	19·4	- 1·8	13·4		
		3·36·00	3·36·30	⊙	14·4	25·8	11·4	—		

ACTINOMETER.

Date Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun or shade, ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	Initial.	Terminal.		A. Initial.	B. Terminal.				
H. M. S.	H. M. S.	H. M. S.							
NOV. 2ND, 1846. 4·33·15	4·30·00	4·30·30	⊙	5·0	13·0	8·0	—	9·3	⊙ a little hazy, and ╲_ near the ⊙ during these observations
	4·31·00	4·31·30	+	11·4	10·0	-1·4	9·8		
	4·32·00	4·32·30	⊙	9·2	18·0	8·8	10 0		
	4·33·00	4·33·30	+	17·4	16·4	-1·0	9·4		
	4·34·00	4·34·30	⊙	8·8	16·8	8·0	8·8		
	4·35·00	4·35·30	+	16·2	15·6	-0·6	8·4		
	4·36·00	4·36·30	⊙	7·2	14·8	7·6	—		
NOVEMBER 3RD, 1846. 7·33·15	7·30·00	7·30·30	⊙	4·0	14·5	10·5	—	9·5	Mist on the ⊙ during these observations.
	7·31·00	7·31·30	+	17·0	18·2	1·2	9·5		
	7·32·00	7·32.30	⊙	9·2	20·2	11·0	9·7		
	7·33·00	7·33·30	+	22·2	23·6	1·4	9·6		
	7·34·00	7·34·30	⊙	6 0	17·0	11·0	9·8		
	7·35.00	7.35·30	+	19·2	20·2	1·0	10·2		
	7·36·00	7·36·30	⊙	7·8	19·2	11·4	—		
8·33·15	8·30·00	8·30·30	⊙	9·4	22·8	13·4	—	12·5	⊙ clear during these observations.
	8·31·00	8·31·30	+	24·5	25·4	0·9	12·6		
	8·32·00	8·32·30	⊙	10·2	23·9	13·7	11·6		
	8·33·00	8·33·30	+	26·0	27·2	1·2	12·6		
	8·34·00	8·34·30	⊙	11·2	25·2	14·0	12·9		
	8·35·00	8·35·30	+	27·0	28·0	1·0	13·0		
	8·36·00	8·36·30	⊙	11·2	25·2	14·0	—		
9·33·15	9·30·00	9·30·30	⊙	14·0	27·5	13·5	—	14·4	⊙ clear during these observations.
	9·31·00	9·31·30	+	29·0	29·0	0·0	14·2		
	9·32·00	9·32·30	⊙	5·0	20·0	15·0	14·3		
	9·33·00	9·33·30	+	22·5	24·0	1·5	13·7		
	9·34·00	9·34·30	⊙	15·0	30·5	15·5	14·6		
	9·35·00	9·35·30	+	31·5	31·8	0·3	15·5		
	9·36·00	9·36·30	⊙	12·0	28·2	16·2	—		
10·33·15	10·30·00	10·30·30	⊙	3·9	19·0	15·1	—	15·4	⊙ clear during these observations.
	10·31·00	10·31·30	+	22·8	23·0	0·2	15·3		
	10·32·00	10·32·30	⊙	9·0	25·0	16·0	15·9		
	10·33.00	10·33·30	+	25·0	25·0	0·0	15·8		
	10·34·00	10·34·30	⊙	12.4	28·0	15·6	15·2		
	10·35·00	10·35·30	+	29.2	30·0	0·8	14·9		
	10·36·00	10·36·30	⊙	13.8	29·5	15·7	—		
11·33·15	11·30·00	11·30·30	⊙	8·9	22·5	13·6	—	14·8	⊙ clear during these observations.
	11·31·00	11·31·30	+	23·5	23·0	0·5	14·9		
	11·32·00	11·32·30	⊙	10·0	25·3	15·3	15·0		
	11·33·00	11·33·30	+	27·0	27·0	0·0	15·2		
	11·34·00	11·34·30	⊙	10·9	26·0	15·1	14.7		
	11·35·00	11·35·30	+	28·0	28·8	0·8	13.9		
	11·36·00	11·36·30	⊙	10·0	24·4	14·4	—		
12·33.15	12·30·00	12·30·30	⊙	25·0	38·5	13·5	—	15·0	⊙ clear during these observations.
	12·31·00	12·31·30	+	39·3	39·0	– 0·3	14·2		
	12·32·00	12·32·30	⊙	13·1	27·5	14·4	14·4		
	12·33·00	12·33·30	+	28·8	29·0	0·2	15·0		
	12·34·00	12·34·30	⊙	12·5	28·5	16·0	15·6		
	12·35·00	12·35·30	+	30·3	30·9	0·6	15·6		
	12·36.00	12·36·30	⊙	8·5	25·0	16·5	—		
1·33·15	1·30·00	1·30·30	⊙	10·4	23·2	12·8	—	14·3	⊙ hazy.
	1·31·00	1·31·30	+	23·4	22·8	– 0·6	14·3		
	1·32·00	1·32·30	⊙	12·4	27·0	14·6	14·7		
	1·33·00	1·33·30	+	27·7	28·0	0·3	13·8		
	1·34·00	1·34·30	⊙	12·8	26·4	13·6	13·7		
	1·35·00	1·35·30	+	25·8	25·2	– 0·6	15·0		
	1·36·00	1·36·30	⊙	12·2	27·4	15·2	—		

ACTINOMETER.

Date	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Time of Observation. Bombay, 1846. Terminal.	Exposure, sun or shade. ⊙ +	Readings. A. Initial.	Readings. B. Terminal.	Change per ½ m.n. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
NOVEMBER 3RD, 1846.	2·33·15	2·30 00	2·30·30	⊙	15·7	28·0	12·3	—	14·2	⊙ hazy.
		2·31·00	2·31·30	+	27·0	25·3	- 1·7	14·7		
		2·32·00	2·32·30	⊙	13·0	26 8	13·8	15·0		
		2·33·00	2·33·30	+	27·1	26·4	- 0·7	14·5		
		2·34·00	2·34·30	⊙	12·8	26·5	13·7	13·9		
		2·35.00	2·35·30	+	26·8	27·0	0·2	13·0		
		2·36·00	2·36·30	⊙	14·6	27·2	12·6	—		
	3.33·15	3·30·00	3·30·30	⊙	8·4	19·2	10·8	—	12·3	⊙ a little hazy.
		3·31·00	3·31·30	+	19·8	18·6	- 1·2	12·3		
		3·32·00	3·32·30	⊙	12·0	23·4	11·4	12·3		
		3·33·00	3·33·30	+	24·0	23.4	- 0·6	12·3		
		3.34·00	3·34·30	⊙	12·8	24·8	.12·0	12·3		
		3·35·00	3·35·30	+	24·6	24·5	- 0·1	12·2		
		3·36·00	3.36·30	⊙	11·8	24·0	12·2	—		
	4·33·15	4·30·00	4·30·30	⊙	11·0	18·0	7·0	—	8·0	⊙ hazy
		4·31·00	4·31·30	+	18·0	17·5	- 0·5	7·5		
		4·32·00	4·32·30	⊙	9 0	16·0	7·0	8·0		
		4·33·00	4·33·30	+	15·6	14·0	- 1·6	8·6		
		4·34·00	4·34·30	⊙	8·8	15·7	6·9	8·1		
		4·35·00	4·25·30	+	14·8	14·0	- 0·8	7·8		
		4·36·00	4·36·30	⊙	9·0	16·0	7·0	—		
NOVEMBER 4TH, 1846.	7·33·15	7·30·00	7·30·30	⊙	3·2	13·8	10·6	—	8·8	Thin fleecy ⌒ on the ⊙ during these observations.
		7·31·00	7·31·30	+	16·5	18·0	2·5	7·9		
		7·32·00	7·32·30	⊙	8·2	18·5	10·3	8·3		
		7·33·00	7·33·30	+	21·0	22·5	1·5	9·0		
		7·34·00	7·34·30	⊙	9·0	19·8	10 8	9·8		
		7·35.00	7·35·30	+	22·0	23·5	1·5	9·0		
		7·36·00	7 36·30	⊙	8·2	18·5	10·3	—		
	8·34·15	8·30·00	8·30·30	⊙	7·6	20·5	12·9	—	11 7	⊙ hazy during these observations.
		8·31·00	8·31·30	+	22·2	23·4	0·8	12·0		
		8·32·00	8·32·30	⊙	9·5	22 2	12 7	11·6		
		8·33·00	8.33·30	+	24·0	25·4	1·4	12·4		
		8·34·00	8 34·30	⊙	9·5	22·8	13·3	11·7		
		8·35·00	8·35·30	+	25·0	26·8	1·8	11·5		
		8·36·00	8·36·30	⊙	11·2	24·2	13·0	11·2		
		8·37·00	8 37·30	+	26·2	28·0	1·8	11·8		
		8·38·00	8·38·30	⊙	13·2	27·0	14·2	—		
	9·33·15	9·30·00	9·30·30	⊙	6·9	20·0	13·1	—	13·1	Haze very near the ⊙ on the South side.
		9·31·00	9·31·30	+	22·0	22·1	0·1	13·4		
		9·32·00	9·32·30	⊙	8·0	22·0	14·0	13·5		
		9·33·00	9·33·30	+	24·0	24 9	0·9	13·0		
		9·34·00	9·34·30	○	5·1	19.0	13·9	13·0		
		9·35·00	9·35·30	+	25·1	26·1	1·0	13·5		
		9·36·00	9·36·30	⊙	10·9	26·0	15·1	—		
	10·33·15	10·30·00	10·30·00	⊙	4·0	18·9	14·0	—	14·6	Haze very near the ⊙ on the South side
		10·31·00	10·31·30	+	17·9	17·0	0·9	14·9		
		10·32·00	10·32·30	⊙	11·9	26·0	14·1	14·5		
		10·33·00	10·33·30	+	27·0	27·0	0·0	14·1		
		10·34·00	10·34.30	⊙	9·1	23·2	14·1	14.3		
		10·35·00	10·35·30	+	23·9	23·5	- 0·4	15·2		
		10·36·00	10·36·30	⊙	9·0	24·5	15·5	—		
	11·33·15	11.30·00	11·30·30	⊙	33·9	45·0	11·1	—	14·1	⊙ clear during these observations
		11·31·00	11·31·30	+	45·0	44·3	- 0·7	13 5		
		11·32 00	11·32·30	⊙	13·9	28·5	14·6	14·7		
		11·33·00	11·33·30	+	30·7	31·2	0·5	14·3		
		11·34·00	11·34·30	⊙	13·0	28.0	15·0	14·3		
		11·35·00	11·35·30	+	31·0	31·9	0·9	13·7		
		11·36·00	11·36·30	⊙	20·8	35·0	14·2	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun ⊙ or shade +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
NOVEMBER 4th, 1846.	12.33.15	12·30·00	12·30·30	⊙	17·5	31·0	13·5	—	16·3	⊙ clear during these observatione
		12·31·00	12·31·30	+	31·4	31·4	0·0	14·7		
		12·32·00	12·32·30	⊙	12·0	28·0	16·0	15·8		
		12·33·00	12·33·30	+	30·6	31·0	0·4	16·5		
		12·34.00	12·34·30	⊙	9·2	27·0	17·8	16·9		
		12·35·00	12 35·30	+	28·0	29·5	1·5	17·8		
		12·36·00	12·36·30	⊙	30·2	31·0	10·8	—		
	1·33·15	1·30.00	1·30·30	⊙	5·0	19·0	14·0	—	15·2	⊙ a little hazy
		1·31.00	1·31·30	+	20·0	19·0	1·0	15·1		
		1·32·00	1·32·30	⊙	12·6	26·8	14·2	15.2		
		1·33·00	1·33·30	+	27·8	26·8	1·0	15·4		
		1.34·00	1·34·30	⊙	14.8	29·4	14·6	15·2		
		1·35·30	1·35·00	+	30·2	30·0	0·2	15·1		
		1·36·30	1·36 00	⊙	15·6	30·8	15·2	—		
	2·33·15	2·30·00	2·30·30	⊙	10·9	24·0	13·1	—	14·0	⊙ a little hazy.
		2.31·00	2·31·30	+	24·4	23·7	− 0·7	14.1		
		2·32·00	2·32·30	⊙	11·4	25·2	13·8	14·2		
		2·33.00	2·33·30	+	25·3	25·2	− 0·1	14·1		
		2·34·00	2·34·30	⊙	12·8	27·0	14·2	14·2		
		2·35·00	2·35·30	+	27·8	28·0	− 0·2	13·6		
		2·36·00	2.36·30	⊙	14·2	27·7	13·5	--		
	3 33.15	3·30·00	3 30·30	⊙	9·0	19·6	10·6	—	11·7	⊙ hazy
		3.31·00	3.31·30	+	19·6	18·2	− 1·4	11·8		
		3·32·00	3·32·30	⊙	10·8	21·0	10·2	11·1		
		3·33·00	3·33·30	+	20·4	20·0	− 0·4	10·8		
		3·34·00	3·34·30	⊙	11·4	22·0	10·6	12·0		
		3·35·00	3·35·30	+	21·6	19·2	2·4	13·0		
		3·36·00	3·36·30	⊙	12·5	23·0	10·5	—		
	4·33·15	4·30·00	4·30·30	⊙	14·5	21·8	7·3	—	8·0	⊙ a little hazy.
		4·31·00	4 31·30	+	20·6	19·4	− 1·2	8·4		
		4·32·00	4·32·30	⊙	7·8	15·0	7·2	8·2		
		4·33·00	4·33·30	+	14·0	13·2	− 0·8	7·8		
		4·34·00	4·34.30	⊙	6·0	12·8	6·8	7·8		
		4·35·00	4·35·30	+	12·0	10·8	− 1·2	7·7		
		4·36·00	4·36·30	⊙	8·0	14·2	6·2	—		
NOVEMBER 5th, 1846.	7·33·15	7·30·00	7·30·30	⊙	9·0	18·4	9·4	—	8·7	⊙ little hazy during these observations.
		7·31.00	7·31·30	+	20·5	21·5	1·0	8·6		
		7·32·00	7·32·30	⊙	6·2	16·0	9·8	8·5		
		7·33.00	7·33·30	+	17·5	19·0	1·5	8·6		
		7·34·00	7·34·30	⊙	3·6	14·0	10·4	8·9		
		7·35·00	7·35·30	+	15·8	17·2	1·4	9·0		
		7·36·00	7.36·30	⊙	5·0	15·5	10·5	—		
	8·33·15	8·30·00	8·30·30	⊙	6·5	20·0	13·5	—	11·9	⊙ clear during these observations.
		8·31·00	8.31·30	+	22·4	24·4	2·0	11·4		
		8·32·00	8·32·30	⊙	8·0	21·4	13·4	11·3		
		8·33·00	8·33·30	+	24·3	26·4	2·1	12·0		
		8·34·00	8·34·30	⊙	8·2	23·0	14·8	12·6		
		8·35·00	8·35·30	+	25·2	27·4	2·2	12·2		
		8·36·00	8·36·30	⊙	9·4	23.5	14·1	—		
	9·33·15	9·30·00	9·30·30	⊙	24·0	38·0	14·0	—	12·9	⊙ clear during these observations.
		9·31·00	9·31·30	+	40·0	40.9	0·9	13·2		
		9·32·00	9·32·30	⊙	11·8	26·0	14·2	13·3		
		9·33.00	9·33·30	+	28·0	29·0	1·0	13·3		
		9·34·00	9·34·30	⊙	9·5	24·0	14·5	12·7		
		9·35·00	9·35·30	+	26·3	28·9	2·6	12·2		
		9.36·00	9·36·30	⊙	19·8	35·0	15.2	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Terminal.	Exposure, sun or shade. ⊙ +	Readings. A. Initial.	B. Terminal.	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
NOVEMBER 5TH, 1846.	10.33·15	10·30·00	10·30·30	⊙	7·3	22·0	14·7	—	14·4	⊙ clear during these observations.
		10·31·00	10·31·30	+	22·5	22·0	- 0·5	14·8		
		10·32·00	10·32·30	⊙	10·0	24·0	14·0	14·1		
		10·33·00	10·33·30	+	27·7	28·0	0·3	13·9		
		10·34·00	10·34·30	⊙	14·0	28·5	14·5	14·2		
		10·35·00	10·35·30	+	26·7	27·0	0·3	14·9		
		10·36·00	10·36·30	⊙	13·6	29·5	15·9	—		
	11·33 15	11.30·00	11·30·30	⊙	13·5	30·0	16·5	—	16·9	⊙ clear during these observations.
		11·31·00	11·31·30	+	31·0	31·0	0·0	16·4		
		11·32.00	11·32·30	⊙	10·7	27·0	16·3	16·1		
		11·33·00	11·33·30	+	28·5	29·0	0.5	16·8		
		11·34·00	11·34·30	⊙	13·7	32·0	18·3	17·5		
		11·35·00	11·35·30	+	36·9	38·0	1·1	16·5		
		11·36·00	11·36·30	⊙	5·0	22·0	17·0	—		
	12·33·15	12·30·00	12·30·30	⊙	35·9	48·0	12·1	—	15·5	⊙ clear during these observations.
		12·31·00	12·31·30	+	50·0	49·0	1·0	14·1		
		12·32·00	12·32·30	⊙	11·8	26·0	14·2	14·7		
		12·33·00	12·33·30	+	31·8	31·8	0·0	15·6		
		12·34·00	12·34·30	⊙	12·0	29·0	17·0	16·9		
		12·35·00	12·35·30	+	31·8	32·0	0·2	16·3		
		12·36·00	12·36·30	⊙	9·0	25·0	16·0	—		
	1.33·15	1·30·00	1·30·30	⊙	8 0	22·0	14·0	—	15·0	⊙ clear.
		1·31·00	1·31·30	+	21·2	20·0	- 1·2	15·2		
		1·32·00	1·32·30	⊙	9·8	23·8	14·0	14·9		
		1·33·00	1·33·30	+	24·0	23·4	0·6	14·9		
		1·34·00	1·34·30	⊙	13·4	28 0	14·6	14·9		
		1·35·00	1·35·30	+	28·8	28·8	0·0	14·9		
		1·36·00	1·36·30	⊙	13·0	28·2	15·2	—		
	2·33·15	2·30 00	2·30·30	⊙	12·2	26·6	14·4	—	14·2	⊙ clear.
		2·31·00	2.31·30	+	27·4	28·0	0·6	14·0		
		2·32·00	2·32·30	⊙	10·6	25·4	14·8	14·2		
		2·33·00	2·33·30	+	25·5	26·0	0·5	14·1		
		2·34·00	2·34·30	⊙	15·6	30·0	14·4	14·1		
		2·35·00	2·35·30	+	30·2	30·4	0·2	14·7		
		2·36·00	2·36·30	⊙	12·2	27·6	15·4	—		
	3·33·15	3·30·00	3·30·30	⊙	9·8	21·8	12 0	—	12·8	⊙ clear.
		3·31·00	3·31·30	+	21·4	20·4	1·0	13·0		
		3·32·00	3·32·30	⊙	14·0	26·0	12·0	13·0		
		3.33·00	3·33·30	+	25·0	24·0	1·0	12·9		
		3·34·00	3 34·30	⊙	12·2	24·0	11·8	12·7		
		3·35·00	3·35·30	+	23·2	22·5	0·7	12·5		
		3·36·00	3·36·30	⊙	9·0	20·8	11·8	—		
	4·33·15	4·30·00	4·30·30	⊙	5·6	12·0	6·4	—	8·1	⊙ clear.
		4·31·00	4·31 30	+	10.8	9·0	- 1·8	8·3		
		4·32·00	4 32·30	⊙	8·3	15·0	6·7	8·3		
		4·33·00	4·33·30	+	14·0	12·6	- 1·4	7·8		
		4·34·00	4·34·30	⊙	8·4	14·4	6·0	7·7		
		4·35·00	4·35·30	+	14·0	12·0	- 2·0	8·2		
		4·36·00	4·36·30	⊙	6·0	12·4	6·4	—		
NOV. 6TH, 1846.	7·33·15	7·30·00	7·30·30	⊙	7·5	17·2	9·7	—	9·2	Faint \ on the ⊙ during these observations.
		7·31·00	7·31·30	+	19·4	20·2	0·8	9·3		
		7·32·00	7·32·30	⊙	6·6	17·2	10·6	9·7		
		7·33·00	7·33·30	+	18·2	19·2	1·0	9·3		
		7·34·00	7·34·30	⊙	8·4	18·5	10·1	8·9		
		7·35·00	7·35·30	+	20·0	21·4	1.4	8·7		
		7·36·00	7·36·30	⊙	7·5	17·5	10·0	—		

ACTINOMETER.

Date. Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Time of Observation. Bombay, 1846. Terminal.	Exposure, sun or shade. ⊙ +	Readings. A. Initial.	Readings. B. Terminal.	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
H. M. S.	H. M. S.	H. M. S.							
NOVEMBER 6TH, 1846. 8·33·15	8·30·00	8·30·30	⊙	3·8	9·5	5·7	—	6·2	⊙ cloudy.
	8·31·00	8·31·30	+	10·5	10·8	0·3	5·7		⊙ a little clear.
	8·32·00	8·32·30	⊙	4·5	10·8	6·3	5·6		⊙ cloudy.
	8·33·00	8·33·30	+	11·5	12·5	1·0	5·6		" "
	8·34·00	8·34·30	⊙	4·5	11·4	6·9	6·4		" "
	8·35·00	8·35·30	+	12·5	12·5	0·0	9·7		⊙ a little clear.
	8·36·00	8·36·30	⊙	9·2	21·8	12·6	—		Faint \ on the ⊙.
9·33·15	9·30·00	9·30·30	⊙	3·0	13·0	10·0	—	12·7	Fleecy ⌒i on the ⊙ during these observations; ⊙ shone less faintly during the last five observations.
	9·31·00	9·31·30	+	14·0	15·0	1·0	10·8		
	9.32·00	9·32·30	⊙	6·9	20·5	13·6	12·6		
	9·33·00	9·33·30	+	23·0	24·0	1·0	13·4		
	9·34·00	9·34·30	⊙	8·8	24·0	15·2	13·6		
	9·35·00	9·35·30	+	27·7	30·0	2·3	13·1		
	9·36·00	9·36·30	⊙	7·9	23.5	15·6	—		
10·33·15	10·30·00	10·30·30	⊙	27·1	40·0	12.9	—	11·1	⋁i on the ⊙ during the observations: ⊙ shone less faintly at the first and the last observations.
	10·31·00	10·31·30	+	40·8	40·8	0.0	11·3		
	10·32·00	10·32·30	⊙	11·0	20·8	9·8	9·8		
	10·33·00	10·33·30	+	21·8	21·8	0·0	10·4		
	10·34·00	10·34·30	⊙	8·0	19·0	11·0	11·0		
	10·35·00	10·35·30	+	23·0	23·0	0·0	12·8		
	10·36·00	10·36·30	⊙	8·5	23·1	14·6	—		
11·33·15	11·30.00	11·30·30	⊙	2·8	16·0	13·2	—	14·5	⊙ clear.
	11·31·00	11·31·30	+	16·0	16·0	0·0	14·1		
	11·32·00	11·32·30	⊙	16·0	31·0	15·0	14·6		
	11·33·00	11·33·30	+	32·0	32·9	0·9	14·6		
	11·34·00	11·34·30	⊙	5·8	21·8	16·0	15·1		
	11·35·00	11.35·30	+	23·5	24·5	1·0	14·2		
	11·36·00	11·36·30	⊙	8·0	22·5	14·5	—		
12·33·15	12·30·00	12·30·30	⊙	5·0	20·0	15·0	—	14·9	⊙ clear.
	12·31·00	12·31·30	+	20.6	20·8	0·2	14·8		
	12·32·00	12·32·30	⊙	12·0	27·0	15·0	14·8		
	12·33·00	12·33·30	+	27·8	28·0	0·2	15·3		
	12·34·00	12·34·30	⊙	12·0	28·0	16·0	15·3		
	12·35·00	12·35·30	+	30·7	32·0	1·3	14·5		
	12·36·00	12·36·30	⊙	8·8	24·5	15·7	—		
1·33·15	1·30·00	1·30·30	⊙	6·0	21·0	15·0	—	14·2	⊙ clear.
	1·31·00	1·31·30	+	22·6	23·2	0·6	14·5		
	1·32·00	1·32·30	⊙	17·4	32·6	15·2	14·6		
	1·33·00	1·33·30	+	34·0	34·7	0·7	14·4		
	1·34.09	1·34·30	⊙	16·0	31·0	15·0	13·8		
	1·35·00	1·35·30	+	32·8	34·6	1·8	13·5		
	1·36·00	1·36·30	⊙	16·8	32·4	15·6	—		
2·33·15	2·30·00	2·30·30	⊙	10·4	24·4	14·0	—	14·0	⊙ clear.
	2·31·00	2·31·30	+	24·1	23.8	– 0·3	14·2		
	2·32·00	2·32·30	⊙	14·0	27·8	13·8	14·0		
	2·33·00	2·33·30	+	28·6	28·4	– 0·2	14·1		
	2·34·00	2·34·30	⊙	15·3	29·2	13·9	13·9		
	2·35·00	2·35·30	+	29·9	30·2	0·3	13·9		
	2·36·00	2·36·30	⊙	17·0	31·4	14·4	—		
3·33·15	3·30·00	3·30·30	⊙	10·0	20·8	10·8	—	12·4	⊙ clear.
	3·31·00	3·31·30	+	20·0	18·6	– 1·4	12·2		
	3·32·00	3·32·30	⊙	9·4	20·2	10·8	12·1		
	3·33·00	3·33·30	+	19·6	18·4	1·2	12·3		
	3·34·00	3·34·30	⊙	12·5	24·0	11·5	12·5		
	3·35.00	3·35·30	+	23·9	23·0	– 0·9	12·7		
	3·36·00	3·36·30	⊙	11·8	24·0	12·2	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Time of Observation. Bombay, 1846. Terminal.	Exposure, sun or shade. ⊙ +	Readings. A. Initial.	Readings. B. Terminal	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M.S.	H. M. S.	H. M. S.							
NOV. 6TH, 1846.	4·33·15	4·30·00	4·30·30	⊙	4·6	11·4	6·8	—	7·8	⊙ clear.
		4·31·00	4·31·30	+	10·4	9·2	- 1·2	8·1		
		4·32·00	4·32·30	⊙	5·2	12·2	7·0	8·1		
		4·33·00	4·33·30	+	10·3	9·4	- 0·9	7·7		
		4·34·00	4·34·30	⊙	9·4	16·0	6·6	7·6		
		4·35·00	4·35·30	+	16·0	15·0	- 1·0	7·6		
		4·36·00	4·36·30	⊙	9·2	15·8	6·6	—		
NOVEMBER 7TH, 1846.	7·33·15	7·30.00	7·30·30	⊙	10·2	20·2	10·0	—	8·4	∿ very near the ⊙
		7·31·00	7·31·30	+	22·2	24·0	1·8	8·3		. on . .
		7·32·00	7·32.30	⊙	7·2	17·0	10·2	8·4		. . . .
		7·33·00	7·33·30	+	19.5	21·2	1·7	8·4		" . " .
		7·34·00	7·34·30	⊙	7·5	17·5	10·0	8·3		. . . .
		7·35·00	7·35·30	+	20·2	21·8	1·6	8·5		. . . .
		7·36·00	7·36·30	⊙	7·9	18·2	10·3	—		. . . .
	8·33·15	8·30·00	8·30·30	⊙	7·2	20·0	12·8	—	12·0	⊙ almost clear
		8·31·00	8·31·30	+	22·8	24·0	1.2	11·7		
		8·32·00	8·32·30	⊙	10·5	23·5	13.0	11·8		
		8·33·00	8·33·30	+	26·1	27·2	1·1	12·1		
		8·34·00	8·34·30	⊙	10·2	23·7	13·5	12·2		
		8·35·00	8·35·30	+	26·0	27·5	1·5	12·1		
		8·36·00	8·36·30	⊙	9·2	22·9	13·7	—		
	9·33·15	9·30·00	9·30·30	⊙	17·0	28·5	11·5	—	14·7	⊙ surrounded by \\ during these observations.
		9·31·00	9·31·30	+	29·8	29·5	- 0·3	14.0		
		9·32·00	9.32·30	⊙	15·0	31·0	16·0	15·8		
		9·33·00	9·33·30	+	33·0	33·7	0·7	14·9		
		9·34·00	9.34·30	⊙	3·8	19·0	15·2	14·4		
		9·35.00	9·35·30	+	28·0	29·0	1·0	14·6		
		9·36·00	9·36·30	⊙	10·0	26·0	16·0	—		
	10·33·15	10·30·00	10·30·30	⊙	5·0	18·9	13·9	—	14·1	⊙ surrounded by haze-like \\ during these observations
		10·31·00	10·31·30	+	19·5	19·0	- 0·5	14·9		
		10·32·00	10·32·30	⊙	9·0	24·0	15·0	14·4		
		10·33·00	10·33·30	+	25.1	26·8	1·7	13·0		
		10·34·00	10·34·30	⊙	7·6	22·0	14·4	13·4		
		10·35·00	10·35·30	+	21·0	24·3	0·3	14·7		
		10·36·00	10·36·30	⊙	7·8	23·5	15·7	—		
	11·33·15	11·30·00	11·30·30	⊙	2·0	16·5	14·5	—	16·3	\\ very near the ⊙ on the South side.
		11·31·00	11·31·30	+	18·0	17·9	- 0·1	15·7		
		11·32·00	11·32·30	⊙	7·0	23·8	16·8	16·9		
		11·33·00	11·33·30	+	26·0	25·8	- 0·2	16·7		
		11·34·00	11·34·30	⊙	14·7	31·0	16·3	16·5		
		11·35·00	11·35·30	+	48·6	48·8	0·2	15.9		
		11·36·00	11·36·30	⊙	0·0	16·0	16·0	—		
	12·33·15	12·30·00	12·30·30	⊙	5·0	19·0	14·0	—	14·9	⊙ clear.
		12·31·00	12·31·30	+	18·8	18·0	- 0·8	14·8		
		12·32.00	12·32·30	⊙	7·1	21·2	14·1	14·1		
		12·33·00	12·33·30	+	25·0	25·9	0·9	14·1		
		12·34·00	12·34·30	⊙	11·8	27·8	16·0	15·1		
		12·35·00	12·35·30	+	32·0	32·9	0·9	16·2		
		12·36·00	12·36·30	⊙	11·7	30·0	18·3	—		
	1·33·15	1·30·00	1·30·30	⊙	14·6	29·4	14·8	—	14·5	∿ and thin \\ near the ⊙
		1·31·00	1·31·30	+	31·0	31·6	0·6	14·5		
		1·32·00	1·32.30	⊙	11·0	26·4	15·4	14·9		
		1·33·00	1·33.30	+	28·2	28·6	0·4	14·5		
		1·34·00	1·34·30	⊙	14·0	28·4	14·4	14·0		
		1·35·00	1·35·30	+	29·8	30·2	0·4	14·4		
		1·36·00	1·36·30	⊙	13·6	28·8	15·2	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Time of Observation. Bombay, 1846. Terminal.	Exposure, sun or shade. ⊙ +	Readings. A. Initial.	Readings. B. Terminal.	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
NOVEMBER 7TH, 1846.	2·33·15	2·30·00	2·30·30	⊙	11·2	24·4	13·2	—		⊙ clear.
		2·31·00	2·31·30	+	24·4	23·4	- 1·0	14·3		
		2·32·00	2·32·30	⊙	9·0	22·4	13·4	14·1		
		2·33·00	2·33 30	+	22·8	22·4	- 0·4	13.8	13·9	
		2·34·00	2·34·30	⊙	12·8	26·2	13·4	13·6		
		2·35·00	2·35·30	+	26·0	26·0	0·0	13·5		
		2·36·00	2·36·30	⊙	14·6	28·2	13·6	—		
	3·33·15	3·30·00	3 30·30	⊙	8·2	18·6	10·4	—		⊙ clear.
		3·31·00	3·31·30	+	16·9	15·6	- 1·3	12·0		
		3·32·00	3·32·30	⊙	12·2	23·2	11·0	12·4		
		3·33.00	3·33·30	+	22·2	20·7	- 1·5	12·1	11·9	
		3·34·00	3·34·30	⊙	7·2	17·4	10·2	11·7		
		3·35·00	3·35·30	+	16·8	15·4	- 1·4	11·5		
		3·36·00	3·36·30	⊙	12·0	22·0	10·0	—		
NOV. 8TH, 1846.	4·33·15	4·30·00	4·30·30	⊙	16·5	26 0	9·5	—		⊙ a little hazy.
		4·31·00	4·31·30	+	28·3	29·5	1·2	8·0		
		4·32·00	4·32·30	⊙	5·4	14·4	9·0	7·7		
		4·33·00	4·33·30	+	16·4	17·8	1·4	7·4	7·4	
		4·34·00	4·34·20	⊙	4 8	13·4	8·6	6·9		
		4·35·00	4·35·30	+	15·0	17.0	2·0	7·0		
		4·36·00	4·36·30	⊙	6·5	16·0	9·5	—		
NOVEMBER 9TH, 1846.	7·33·15	7·30·00	7·30·30	⊙	8·0	19·2	11·2	—		⊙ clear.
		7·31·00	7·31·30	+	22·0	23·0	1·0	10·2		
		7·32·00	7·32·30	⊙	8·0	19·2	11·2	10·2		
		7·33·00	7·33·30	+	21·5	22·5	1·0	10·4	10·3	
		7·34·00	7·34·30	⊙	8·8	20·4	11·6	10·5		
		7·35·00	7·35·30	+	22·0	23·2	1·2	10·6		
		7·36·00	7·36·30	⊙	8·8	20·8	12·0	—		
	8·33·15	8·30·00	8·30·30	⊙	7·5	21·5	14·0	—		⊙ clear.
		8·31·00	8·31·30	+	23·5	25·0	1·5	12·8		
		8·32·00	8·32·30	⊙	11·2	25·8	14·6	13·3		
		8·33·00	8·33·30	+	28·2	29·2	1·0	13·9	13·4	
		8·34·00	8·34·30	⊙	12·3	27·5	15·2	13·8		
		8·35·00	8·35·30	+	29·6	31 4	1·8	13·4		
		8·36·00	8·36·30	⊙	12·0	27·2	15·2	—		
	9·33·15	9·30·00	9·30·30	⊙	6·2	20·8	14·6	—		⊙ clear.
		9·31·00	9·31·30	+	21·2	21·0	- 0·2	13·6		
		9·32·00	9·32·30	⊙	35·3	48·0	12·7	12·8		
		9·33·00	9·33·30	+	49·0	49·0	0·0	13·8	14·2	
		9·34·00	9·34·30	⊙	10.0	25·0	15·0	15·1		
		9·35·00	9·35·30	+	25·0	24 8	- 0·2	15·7		
		9·36·00	9·36·30	⊙	10·0	26·0	16·0	—		
	10·33·15	10·30·00	10·30·30	⊙	8·0	23·0	15·0	—		⊙ clear.
		10·31·00	10·31·30	+	23·9	23·1	0·8	15·8		
		10·32·00	10·32·30	⊙	1·0	16·0	15·0	14·9		
		10·33·00	10·33·30	+	18·0	19·0	1·0	15·0		
		10·34·00	10·34·30	⊙	14·0	31·0	17·0	16·3	15·8	
		10·35·00	10·35·30	+	33·3	33·8	0·5	16·8		
		10·36.00	10·36·30	⊙	16·9	34·5	17·6	—		
	11·33·15	11·30·00	11·30·30	⊙	35·0	50·0	15·0	—		⊙ clear.
		11·31·00	11·31·30	+	51·0	51·0	0·0	15.0		
		11·32·00	11·32·30	⊙	17·9	33·5	15·0	15·3		
		11·33·00	11·33·30	+	33·9	33·5	- 0·4	16·4	15·8	
		11·34·00	11·34·30	⊙	3·0	20·0	17·0	16·3		
		11·35·00	11·35·30	+	20·2	22·0	1·8	16·2		
		11·36·00	11·36.30	⊙	9·0	28·0	19·0	—		

ACTINOMETER.

Date. Bombay Civil Time.		Time of Observation. Bombay, 1846.		Exposure, sun ⊙ or shade +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
NOVEMBER 9TH, 1846.	12·33·15	12·30·00	12·30·30	⊙	0·0	17·8	17·8	—	17·1	⊙ clear.
		12·31·00	12·31·30	+	20·0	20·8	0·8	17·0		
		12·32·00	12·32·30	⊙	- 1·0	16·9	17·8	17·3		
		12·33·00	12·33·30	+	19·0	19·5	0·5	17·4		
		12·34·00	12·34·30	⊙	16·3	34·2	17·9	16·8		
		12·35·00	12·35.30	+	37·0	38·7	1·7	17.2		
		12·36.00	12·36·30	⊙	2·0	22·0	20·0	—		
	1·33·15	1·30·00	1·30·30	⊙	8·0	22·4	14·4	—	16·3	⊙ clear.
		1·31·00	1·31·30	+	22·2	21·4	- 0·8	15·9		
		1·32·00	1·32·30	⊙	12·2	28·0	15·8	16·6		
		1·33·00	1·33·30	+	28·0	27·2	- 0·8	16·5		
		1·34·00	1·34·30	⊙	14.0	29·6	15·6	16·1		
		1·35·00	1·35·30	+	30·4	30·2	- 0·2	16·5		
		1·36·00	1·36·30	⊙	16·0	33·0	17·0	—		
	2·33·15	2 30·00	2·30·30	⊙	13·4	27·0	13·6	—	15·3	⊙ clear.
		2·31·00	2·31·30	+	26·0	25·2	- 0·8	14·8		
		2·32·00	2·32·30	⊙	13·8	28·2	14·4	15·3		
		2·33·00	2·33·30	+	28·0	27·0	- 1·0	15·6		
		2·34·00	2·34·30	⊙	12·6	27·4	14·8	15·4		
		2·35·00	2·35·30	+	27·6	27·4	- 0·2	15·3		
		2·36·00	2·36·30	⊙	14·0	29·4	15·4	—		
	3·33·15	3·30·00	3·30·30	⊙	8·0	19·0	11·0	—	12.8	⊙ clear.
		3·31·00	3·31·30	+	17·4	15·8	- 1·6	13·0		
		3·32·00	3·32·30	⊙	9·0	20·8	11·8	13·2		
		3·33·00	3·33·30	+	19·6	17·4	- 1·2	12·5		
		3·34·00	3·34·30	⊙	11·6	22·4	10·8	12·4		
		3·35·00	3·35·30	+	21·0	19·0	- 2·0	13·0		
		3·36·00	3·36·30	⊙	12·8	24·0	11·2	—		
NOVEMBER 10TH, 1846.	4·33·15	4·30·00	4·30·30	⊙	10·8	17·0	6·2	—	7·1	⊙ clear.
		4·31·00	4·31·30	+	16·2	15·0	- 1·2	7·0		
		4·32·00	4·32·30	⊙	8·7	14·0	5 3	7·0		
		4 33·00	4·33·30	+	13·6	11·3	- 2·3	7·4		
		4·34·00	4·34·30	⊙	7·6	12·6	5·0	7·2		
		4·35·00	4·35·30	+	10·8	8·6	- 2·2	6·9		
		4·36·00	4·36 30	⊙	12·4	16·8	4·4	—		
	7·33·15	7·30·00	7·30·30	⊙	8·0	17·8	9·8	—	9·0	⊙ hazy.
		7·31·00	7 31·30	+	19·4	20·0	0·6	9·1		
		7·32·00	7·32·30	⊙	9·5	19·2	9·7	9·0		
		7·33·00	7·33·30	+	20·2	21·0	0·8	9·2		
		7·34·00	7·34·30	⊙	7·5	17·8	10·3	9·0		
		7·35·00	7·35·30	+	19·8	21·5	1·7	8·8		
		7·36·00	7·36·30	⊙	8·5	19·2	10·7	—		
	8·33·15	8·30 00	8·30·30	⊙	11·2	24·8	13·6	—	12·1	⊙ clear.
		8·31·00	8·31·30	+	28·0	30·5	2·5	11·4		
		8·32·00	8·32·30	⊙	11·2	25·5	14·3	12·0		
		8·33·00	8·33·30	+	29·4	31 5	2·1	12·3		
		8·34·00	8.34·30	⊙	13·2	27·8	14·6	12·4		
		8·35·00	8·35·30	+	30·8	33·0	2·2	12·3		
		8·36·00	8·36·30	⊙	10·3	24·8	14·5	—		
	9·33·15	9·30·00	9·30·30	⊙	37·0	50·0	13·0	—	14·6	⊙ clear.
		9·31·00	9.31·30	+	51·3	51·8	0·5	13·9		
		9·32·00	9·32·30	⊙	11·2	27·0	15·8	15·1		
		9·33·00	9 33·30	+	30·0	31·0	1·0	14.9		
		9·34·00	9·34·30	⊙	7·8	23·9	16·1	14·6		
		9·35·00	9·35·30	+	28·0	30·0	2·0	14·3		
		9·36·00	9·36·30	⊙	5·0	21·5	16·5	—		

ACTINOMETER.

Date. Bombay Civil Time.		Time of Observation. Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
NOVEMBER 10th, 1846.	10·33·15	10·30·00	10·30·30	⊙	12·0	27·1	15·1	—	14·5	⊙ clear.
		10·31·00	10·31·30	+	29·0	30·5	1·5	13·6		
		10·32·00	10·32·30	⊙	11·0	26·1	15·1	13·5		
		10·33·00	10·33·30	+	29.0	30·8	1.8	14·2		
		10·34·00	10·34·30	⊙	7·0	24·0	17·0	15·6		
		10·35·00	10·35·30	+	29·9	31·0	1·1	15·7		
		10·36·00	10·36·30	⊙	32·3	49.0	16·7	—		
	11·33·15	11·30·00	11·30·30	⊙	17·9	34·0	16·1	—	17·2	⊙ clear.
		11·31·00	11·31·30	+	37·8	39·0	1·2	16·6		
		11·32·00	11·32.30	⊙	2·0	21·5	19 5	17·9		
		11·33·00	11·33·30	+	24·9	27·0	2·1	17·3		
		11·34·00	11·34·30	⊙	6·0	25·3	19·3	17·2		
		11·35.00	11.35·30	+	28·9	31.0	2·1	17·1		
		11·36·00	11·36·30	⊙	13.7	32·9	19·2	—		
	12·33·15	12·30·00	12·30·30	⊙	9·0	26·5	17·5	—	16·4	⊙ clear.
		12·31·00	12·31·30	+	27·5	27·9	0·4	16·5		
		12·32·00	12·32·30	⊙	8·6	25·0	16·4	15·7		
		12·33·00	12·33·30	+	27 0	28·0	1·0	16·2		
		12·34·00	12·34·30	⊙	11·0	29·0	18·0	17·0		
		12·35·00	12·35·30	+	30·9	32·0	1·1	16·5		
		12·36·00	12·36·30	⊙	17·3	34·5	17·2	—		
	1·33·15	1·30·00	1·30·30	⊙	11·8	28·0	16·2	—	15·3	⊙ clear.
		1·31·00	1·31·30	+	31·0	31·6	0·6	15·6		
		1·32·00	1·32·30	⊙	14·8	31·0	16·2	15·3		
		1·33·00	1·33·30	+	34·7	35·9	1·2	15·4		
		1·34·00	1·34·30	⊙	15·4	32·4	17·0	15·4		
		1·35·00	1·35·30	+	37·0	39·0	2·0	15·0		
		1·36·00	1·36·30	⊙	16·9	34·0	17·1	—		
	2·33·15	2·30·00	2·30·30	⊙	11·0	25·0	14·0	—	15·5	⊙ clear.
		2·31·00	2·31·30	+	27.4	26·9	- 0·5	15·2		
		2·32·00	2·32·30	⊙	12·0	27 4	15.4	15·6		
		2·33.00	2·33·30	+	29·0	29·0	0·0	15·6		
		2·34·00	2·34·30	⊙	13·2	29·0	15·8	15·8		
		2·35·00	2·35·30	+	31·2	31·2	0·0	15·4		
		2·36·00	2·36·30	⊙	13·2	28·2	15·0	—		
	3·33·15	3·30·00	3·30·30	⊙	8·0	20·0	12·0	—	13·2	⊙ clear.
		3·31·00	3·31·30	+	20·2	18·3	- 1·9	13·5		
		3·32·00	3·32·30	⊙	10·8	22·0	11·2	13·0		
		3·33·00	3·33·30	+	21·8	20·0	- 1·8	12·8		
		3·34·00	3·34·30	⊙	10·0	20·8	10·8	12·9		
		3·35·00	3·35·30	+	21·4	19·0	- 2·4	13·7		
		3·36·00	3·36·30	⊙	11·3	23·2	11·9	—		
	4·33.15	4·30·00	4·30·30	⊙	6·8	13·6	6·8	—	9·2	⊙ clear.
		4·31·00	4·31·30	+	12·2	9·6	- 2·6	9·3		
		4·32·00	4·32·30	⊙	15·8	22·4	6·6	9·3		
		4·33·00	4·33·30	+	20·4	17·6	- 2·8	9·5		
		4·34·00	4·34·30	⊙	22·4	29·2	6·8	9·3		
		4·35·00	4·35·30	+	28·0	25·8	- 2·2	8·7		
		4·36.00	4·36·30	⊙	31·0	37·2	6·2	—		
NOV. 11th, 1846.	7·33·15	7·30·00	7·30·30	⊙	27·7	38·0	10·3	—	9·1	⊙ clear.
		7·31·00	7·31·30	+	41·0	42·1	1·1	9·0		
		7·32·00	7·32·30	⊙	50·2	60·2	10.0	8·9		
		7·33·00	7·33·30	+	71·9	73·0	1·1	9·0		
		7·34·00	7·34·30	⊙	81·9	92·0	10·1	9·0		
		7·35·00	7·35·30	+	94·9	96·0	1·1	9·5		
		7·36·00	7·36·30	⊙	22·9	34·0	11·1	—		

ACTINOMETER.

Date. Bombay Civil Time.		Time of Observation. Bombay, 1846. Initial.	Time of Observation. Bombay, 1846. Terminal.	Exposure, sun or shade. ⊙ +	Readings. A. Initial.	Readings. B. Terminal.	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
NOVEMBER 11TH, 1846.	8·33·15	8·30 00	8·30·30	⊙	8·9	20·2	11·3	—	11·8	⊙ clear.
		8·31·00	8·31·30	+	22·5	23·3	0·8	11·0		
		8·32·00	8·32·30	⊙	33·6	46·0	12·4	11·3		
		8·33·00	8·33·30	+	48·6	50·0	1·4	12·3		
		8·34·00	8·34·30	⊙	61·6	74·6	13·0	11·8		
		8·35.00	8·35·30	+	77·5	78·5	1·1	12·4		
		8·36·00	8·36·30	⊙	23·5	37·5	14·0	—		
	9.33·15	9·30·00	9·30·30	⊙	6·0	20·0	14·0	—	13·3	⊙ clear.
		9·31·00	9·31·30	+	22·0	23·0	1·0	13·8		
		9·32·00	9·32·30	⊙	4·0	19·7	15·7	14·4		
		9·33·00	9·33·30	+	21·8	23·5	1·7	13·2		
		9.34·00	9·34·30	⊙	12 3	26·5	14·2	12·4		
		9·35·00	9·35·30	+	30 0	32·0	2·0	12·8		
		9·36·00	9.36·30	⊙	8·0	23·5	15·5	—		
	10·33·15	10·30·00	10 30·30	⊙	9·0	25·0	16 0	—	14.8	⊙ clear.
		10·31·00	10·31·30	+	26·6	27·2	0·6	15·3		
		10·32·00	10·32·30	⊙	8·1	24·0	15 9	15·0		
		10·33·00	10·33·30	+	26·0	27·2	1·2	14·7		
		10·34·00	10·34·30	⊙	41·0	57·0	16·0	14·5		
		10·35·00	10·35·30	+	61 0	62·9	1·9	14·8		
		10·36·00	10·36·30	⊙	8·0	25·5	17·5	—		
	11·33·15	11·30·00	11·30·30	⊙	8·5	24·5	16·0	—	15·9	⊙ clear.
		11·31·00	11·31·30	+	27·0	28·0	1·0	16·0		
		11·32·00	11·32·30	⊙	10·0	28·0	18·0	16·3		
		11·33·00	11·33·30	+	31·0	33·5	2·5	15·5		
		11·34·00	11·34·30	⊙	16·0	34·0	18·0	15·2		
		11·35.00	11·35·30	+	37·9	41·0	3·0	16·5		
		11·36·00	11·36·30	⊙	12·0	32·3	21·3	—		
	12·33·15	12·30·00	12·30·30	⊙	6·0	23·0	17·0	—	15·7	⊙ clear.
		12·31·00	12·31·30	+	26·0	28·5	2·5	15·2		
		12·32·00	12·32·30	⊙	15·0	33·5	18·5	15·8		
		12·33·00	12.33·30	+	37·0	40·0	3·0	15.5		
		12·34·00	12·34·30	⊙	11·9	31·0	19·1	16·1		
		12·35·00	12·35·30	+	35·0	38·0	3·0	15·8		
		12·36·00	12·36·30	⊙	6·8	25·5	18·7	—		
	1·33·15	1·30·00	1·30·30	⊙	11·0	25·4	14·4	—	15·2	⊙ clear
		1·31·00	1·31·30	+	27·0	26·4	- 0·6	15·0		
		1·32·00	1·32·30	⊙	12.0	26·4	14·4	14 7		
		1·33·00	1·33·30	+	28·7	28·7	0·0	15·1		
		1·34·00	1·34·30	⊙	15·2	31·0	15·8	15·6		
		1·35·00	1·35·30	+	33·5	33·8	0·3	15·5		
		1·36·00	1·36·30	⊙	13·6	29·4	15·5	—		
	2·33·15	2·30·00	2·30·00	⊙	13·0	26·4	13·4	—	13·9	⊙ clear.
		2·31·00	2·31·30	+	28 3	28·1	- 0·2	13·7		
		2·32·00	2·32·30	⊙	11·6	25·2	13·6	13·8		
		2·33·00	2·33·30	+	26·0	25·8	- 0·2	13·9		
		2·34·00	2·34.30	⊙	16.8	30·6	13·8	14·1		
		2·35·00	2 35·30	+	32·3	31·9	- 0·4	14·1		
		2·36·00	2·36·30	⊙	12·8	26·4	13·6	—		
	3·33·15	3.30·00	3·30·30	⊙	10·6	22·2	11·6	—	11·9	⊙ clear.
		3·31·00	3·31·30	+	22·8	21·4	- 1·4	12·7		
		3·32 00	3·32·30	⊙	13·0	21·0	11·0	12·1		
		3·33·00	3·33·30	+	24·0	23·2	- 0·8	11·8		
		3·34·00	3·34·30	⊙	13·0	21·0	11·0	11·6		
		3·35·00	3·35·30	+	24·4	23·9	- 0·5	11·3		
		3·36·00	3·36·30	⊙	10·4	21.4	11·0	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Time of Observation. Bombay, 1846. Terminal.	Exposure, sun or shade. + ⊙	Readings. A. Initial.	Readings. B. Terminal.	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
NOV. 11TH, 1846.	4.33.15	4·30·00	4·30·30	⊙	11·0	17·8	6·8	—	7·4	⊙ clear.
		4·31·00	4·31·30	+	16·4	14·5	- 1·9	8·2		
		4·32·00	4·32·30	⊙	20·2	26·0	5·8	7·6		
		4·33·00	4·33·30	+	25·2	23·6	- 1·6	7·3		
		4·34.00	4·34·30	⊙	29·2	34·8	5·6	7·2		
		4·35·00	4 35·30	+	34·0	32·4	- 1·6	7·0		
		4·36·00	4·36·30	⊙	37·3	42·4	5·1	—		
NOVEMBER 12TH, 1846.	7·33·15	7·30.00	7·30·30	⊙	13·5	24·0	10·5	—	9·5	⊙ misty during these observations.
		7·31.00	7·31·30	+	26·5	28·0	1·5	9·2		
		7·32·00	7·32·30	⊙	6·0	17·0	11·0	9·3		
		7·33·00	7·33·30	+	19·0	20·8	1·8	10·1		
		7.34·00	7·34·30	⊙	8·4	19·2	10·8	9·2		
		7·35·30	7·35·00	+	21·2	22·5	1·3	9·6		
		7·36·30	7·36 00	⊙	5·5	16.5	11·0	—		
	8·33·15	8·30·00	8·30·30	⊙	13·5	28·0	14·5	—	12·6	Slight mist on the ⊙ during these observations.
		8.31·00	8·31·30	+	31·4	33·0	1·6	12·6		
		8·32·00	8·32·30	⊙	4·3	18·2	13·9	12·3		
		8·33.00	8·33·30	+	20·2	21·8	1·6	12·3		
		8·34·00	8·34·30	⊙	- 2·0	12·0	14·0	12·7		
		8·35·00	8·35·30	+	14·5	16·5	1·0	13·2		
		8·36·00	8.36·30	⊙	8·0	22·2	14·2	--		
	9·33.15	9·30·00	9.30·30	⊙	8·0	22·3	14·3	—	13·6	⊙ clear.
		9.31·00	9.31·30	+	23·9	25 0	1·1	13·0		
		9·32·00	9·32·30	⊙	0·0	14·0	14·0	12·9		
		9·33·00	9·33·30	+	16·5	17·6	1·1	13·9		
		9·34·00	9·34·30	⊙	19·0	35·0	16·0	14·5		
		9·35·00	9·35·30	+	38·0	40·0	2·0	13·9		
		9·36·00	9·36·30	⊙	- 1·0	14·8	15·8	—		
	10·33·15	10·30·00	10·30·30	⊙	50·0	64·0	14·0	—	15·2	⊙ clear.
		10·31·00	10 31·30	+	65·6	66·0	0·4	14·7		
		10·32·00	10·32·30	⊙	9·0	25·3	16·3	15·6		
		10·33·00	10·33·30	+	27 0	28 0	1·0	15·6		
		10·34·00	10·34.30	⊙	4·0	21.0	17·0	15·3		
		10·35·00	10·35·30	+	24·5	26.9	2·4	14·7		
		10·36·00	10·36·30	⊙	3·0	20·2	17·2	—		
	11·33·15	11·30·00	11·30·30	⊙	14·0	31·0	17·0	—	14·9	⊙ clear.
		11·31.00	11·31·30	+	32·1	33·7	1·6	14·4		
		11·32·00	11·32·30	⊙	- 1·0	14·0	15·0	13·7		
		11·33.00	11·33·30	+	17·0	18·1	1·1	15·6		
		11·34·00	11·34·30	⊙	9·0	27·5	18·5	16·7		
		11·35·00	11·35·30	+	30·6	33·1	2·5	14·3		
		11 ·36·00	11.36·30	⊙	7·9	23 1	15·2	—		
	12·33·15	12·30·00	12·30·30	⊙	14·9	32·0	17.1	—	17·4	⊙ clear.
		12·31·00	12.31·30	+	34·0	36·0	2·0	15·8		
		12·32·00	12·32·30	⊙	3·9	22·5	18·6	16.4		
		12·33·00	12·33·30	+	25·5	28·0	2·5	18·0		
		12·34·00	12·34·30	⊙	5·0	25·5	20·5	18·3		
		12·35·00	12·35·30	+	31·0	33·0	2·0	18·7		
		12·36·00	12·36·30	⊙	11·0	32·0	21·0	—		
	1·33·15	1·30·00	1·30·30	⊙	9·0	24·8	15·8	—	15·2	⊙ clear.
		1·31·00	1·31·30	+	27·6	28·6	1·0	15·1		
		1·32·00	1·32·30	⊙	16·4	32·8	16·4	15·0		
		1·33.00	1 33·30	+	36·5	38·3	1·8	15·2		
		1·34·00	1·34·30	⊙	13·0	30·6	17·6	15·5		
		1·35·00	1·35·30	+	35·4	37·8	2·4	15·4		
		1.36·00	1·36·30	⊙	14·0	32·0	18·0	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun ⊙ or shade +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
NOVEMBER 12TH, 1846.	2.33·15	2·30·00	2·30·30	⊙	12·0	27·8	15·8	—	14·7	⊙ clear, Near the ⊙.
		2·31·00	2·31·30	+	30·4	31·4	1·0	14·8		
		2·32·00	2·32·30	⊙	16·2	32·0	15·8	15·1		
		2·33·00	2·33·30	+	35·2	35·6	0·4	15·0		
		2·34·00	2·34·30	⊙	15·0	30 0	15·0	14·2		
		2·35·00	2·35·30	+	31·6	32·8	1·2	14.3		
		2·36·00	2·36·30	⊙	17·0	33·0	16·0	—		
	3·33 15	3.30·00	3·30·30	⊙	5·6	16 4	10·8	—	12·3	⊙ a little hazy.
		3·31·00	3·31·30	+	15·6	13·4	- 2·2	12·8		
		3 32.00	3·32·30	⊙	11·0	21·4	10·4	12·2		
		3·33·00	3·33·30	+	21·0	19·6	- 1·4	11·8		
		3·34·00	3·34·30	⊙	10·8	21·2	10·4	12·1		
		3·35·00	3·35·30	+	20.0	18·0	- 2.0	12·7		
		3·36·00	3·36·30	⊙	12·0	23·0	11·0	—		
	4·33·15	4·30·00	4·30·30	⊙	3·4	9·4	6·0	—	8·4	⊙ clear.
		4·31·00	4·31·30	+	9·0	7·0	- 2·0	8·0		
		4·32·00	4·32·30	⊙	12·0	18·0	6·0	8·3		
		4·33·00	4·33·30	+	17·0	14·4	- 2·6	8·5		
		4·34·00	4·34·30	⊙	18.2	24·0	5·8	8·6		
		4·35·00	4·35·30	+	23·0	20·0	- 3·0	8.4		
		4·36·00	4·36·30	⊙	23·9	28·9	5·0	—		
NOVEMBER 13TH, 1846.	7.33·15	7·30·00	7·30·30	⊙	8·2	19·4	11·2	—	10·1	Slight mist on the ⊙ during these observations.
		7·31·00	7·31·30	+	22.0	23·6	1·6	9·8		
		7·32·00	7·32·30	⊙	7·4	19·0	11.6	10·1		
		7·33·00	7·33·30	+	21·2	22·5	1·3	10·4		
		7·34·00	7·34·30	⊙	7·4	19·2	11·8	10·2		
		7·35·00	7·35·30	+	21·2	23·0	1·8	10·0		
		7·36·00	7·36·30	⊙	7·4	19·2	11·8	—		
	8·33·15	8·30 00	8·30·30	⊙	8·2	23·0	15·2	—	12·6	⊙ hazy during these observations
		8·31·00	8.31·30	+	25·2	26·8	1·6	13·4		
		8·32·00	8·32·30	⊙	7·2	22·0	14·8	12·8		
		8·33·00	8·33·30	+	24·2	26·5	2·3	12·5		
		8·34·00	8·34·30	⊙	12·2	27·0	14·8	12·6		
		8·35·00	8·35·30	+	29·2	31·2	2·0	12·8		
		8·36·00	8·36·30	⊙	10·2	25·0	14·8	—		
	9·33·15	9·30·00	9·30·30	⊙	5·8	22·6	16·8	—	14·1	⊙ clear.
		9·31·00	9·31·30	+	23·0	24·0	1·0	14·4		
		9·32·00	9·32·30	⊙	6 0	20·0	14·0	13·0		
		9 33·00	9·33·30	+	22·0	23·0	1·0	14·0		
		9·34·00	9 34·30	⊙	6·0	22·0	16·0	14·5		
		9·35·00	9·35·30	+	25·0	27·0	2·0	14·6		
		9·36·00	9·36·30	⊙	0·9	18·2	17·3	—		
	10·33·15	10·30·00	10·30·30	⊙	11·9	29·0	17·2	—	15·7	⊙ clear.
		10·31·00	10·31 30	+	31.2	32·0	0·8	16·5		
		10·32·00	10 32·30	⊙	16·0	33·5	17·5	15·8		
		10·33·00	10·33·30	+	36·2	38·8	2·6	14·6		
		10·34·00	10·34·30	⊙	13·0	30·0	17·0	15·3		
		10·35·00	10·35·30	+	33·0	33·9	0·9	16·1		
		10·36·00	10·36·30	⊙	5·0	22·0	17·0	—		
	11·33·15	11·30·00	11·30·30	⊙	37·9	55·0	17·1	—	15·0	⊙ a little hazy.
		11·31·00	11·31·30	+	57·2	58·0	0·8	16·2		
		11·32·00	11·32·30	⊙	9·0	26·0	17·0	14·9		
		11·33·00	11·33·30	+	38·6	42·0	3·4	13·3		
		11·34·00	11·34·30	⊙	5·0	21·5	16·5	14·0		
		11·35·00	11·35·30	+	24·9	26·5	1·6	16·4		
		11·36·00	11·36·30	⊙	14·0	33·5	19.5	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B.—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
NOVEMBER 13TH, 1846.	12·33·15	12·30·00	12·30·30	⊙	6·0	23·0	17·0	—	15·6	⊙ clear.
		12·31·00	12·31·30	+	25·0	27·0	2·0	15·2		
		12·32·00	12·32·30	⊙	4·6	22·0	17·4	15·4		
		12·33·00	12·33·30	+	24·0	26·0	2·0	15·6		
		12·34·00	12·34·30	⊙	9·9	27 8	17·9	15·7		
		12·35·00	12·35·30	+	31·5	33·9	2·4	16·3		
		12·36·00	12·36·30	⊙	7·8	27·3	19·5	—		
	1·33·15	1·30·00	1·30·30	⊙	10·6	25·4	14·8	—	15·9	\ over the ⊙
		1·31·00	1·31·30	+	27·0	27.2	0·2	15·8		
		1.32·00	1·32·30	⊙	13·4	30·6	17·2	16·2		
		1·33·00	1·33·30	+	34·2	36·0	1·8	15.7		
		1·34·00	1·34·30	⊙	14·0	31·8	17.8	15 8		
		1·35·00	1·35·30	+	35·8	38·0	2·2	15·8		
		1·36·00	1·36·30	⊙	15·8	34·0	18·2	—		
	2·33·15	2·30·00	2·30·30	⊙	12·8	26·6	13·8	—	14·7	⊙ a little hazy.
		2·31·00	2·31·30	+	29·0	29·0	0·0	14·2		
		2·32·00	2·32·30	⊙	10·2	24·8	14·6	14·3		
		2·33·00	2·33·30	+	28·4	29·0	0·6	14·7		
		2·34·00	2·34·30	⊙	15.0	31·0	16·0	15·3		
		2·35·00	2·35·30	+	33·4	34·2	0·8	14·9		
		2·36·00	2·36·30	⊙	14·2	29·6	15·4	—		
	3·33·15	3·30.00	3·30·30	⊙	4·8	16·4	11·6	—	12·2	⊙ clear.
		3·31·00	3·31·30	+	17·7	17·9	0·2	11·6		
		3·32·00	3·32·30	⊙	12·0	24·0	12·0	11·9		
		3·33·00	3·33·30	+	25·0	25·0	0·0	12·1		
		3·34·00	3·34·30	⊙	11·8	24·0	12·2	12·5		
		3·35·00	3.35·30	+	24·6	24·0	– 0·6	12·9		
		3·36·00	3·36·30	⊙	11·8	24·2	12·4	—		
	4·33·15	4·30·00	4·30·30	⊙	14·0	21·4	7·4	—	8·5	⊙ clear.
		4·31·00	4·31·30	+	20·6	19·2	– 1·4	8·6		
		4·32·00	4·32·30	⊙	25·1	32·0	6·9	8·4		
		4·33·00	4·33·30	+	30·6	29 0	– 1·6	8·6		
		4·34·00	4·34·30	⊙	35·8	42·8	7·0	8·5		
		4·35·00	4·35·30	+	41·8	40·3	– 1·5	8·2		
		4·36·00	4·36·30	⊙	45·8	52·2	6·4	—		
NOVEMBER 14TH, 1846.	7·33·15	7·30·00	7·30·30	⊙	4·3	16·2	11·9	—	9·6	\ and _ on the ⊙.
		7·31·00	7·31·30	+	19·0	20·0	1·0	10·5		
		7·32·00	7·32·30	⊙	7·8	19·0	11·2	9·7		
		7·33·00	7·33·30	+	21·3	23·2	1·9	9·3		
		7·34.09	7·34·30	⊙	9·7	21·0	11·3	9·3		
		7·35·00	7·35·30	+	23·2	25·2	2·0	9·3		
		7·36·00	7·36·30	⊙	8·7	20·0	11·3	—		
	8·33·15	8·30·00	8·30·30	⊙	8·3	19·5	11·2	—	10·6	\ on the ⊙.
		8·31·00	8·31·30	+	21·2	22·5	1·3	9·8		
		8·32·00	8·32·30	⊙	8·2	19·2	11·0	9·9		
		8·33·00	8·33·30	+	21·2	22·0	0·8	10·8		
		8·34·00	8·34·30	⊙	10·2	22·5	12·3	11·1		
		8·35·00	8·35·30	+	24·5	26·0	1·5	11·3		
		8·36·00	8·36·30	⊙	8·5	21·8	13·3	—		
	9·33·15	9·30·00	9·30·30	⊙	39·8	53·0	13·2	—	14·8	\ on the ⊙ and a halo forming all around it.
		9·31·00	9·31·30	+	55·0	56·0	1·6	13·6		
		9·32·00	9·32·30	⊙	3·9	20·0	16.1	15·0		
		9·33·00	9·33·30	+	23·8	25·0	1·2	15·3		
		9·34·00	9·34·30	⊙	13·0	30·0	17·0	15·5		
		9·35.00	9·35·30	+	33·1	30·0	1·9	14·4		
		9·36·00	9·36·30	⊙	12·5	28·2	15·7	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M.S.	H. M. S.	H. M. S.							
NOVEMBER 14TH, 1846.	10·33·15	10·30·00	10·30·30	⊙	42·0	56·0	14·0	—	13·1	\i on the ⊙ during these observations: light fleecy clouds from fourth observation.
		10·31·00	10·31·30	+	57·9	58·2	0·3	14·7		
		10·32·00	10·32·30	⊙	10·0	26·0	16·0	15·0		
		10·33·00	10·33·30	+	29·7	31·5	1·8	12·7		
		10·34·00	10·34·30	⊙	5·0	18·0	13·0	11·1		
		10·35·00	10·35·30	+	21·4	23·5	2·1	12·0		
		10·36·00	10·36·30	⊙	6 0	21·2	15·2	—		
	11·33·15	11·30.00	11·30·30	⊙	67·0	82·0	15·0	—	15·6	\i on the ⊙.
		11·31·00	11·31·30	+	84 0	85 0	1·0	15·8		
		11·32·00	11·32.30	⊙	2·3	21·0	18·7	16·7		
		11·33·00	11·33·30	+	24·9	27·9	3·0	15·1		
		11·34·00	11·34·30	⊙	4·4	22·0	17·6	14·7		
		11·35·00	11·35·30	+	33 0	35 8	2·8	15·9		
		11·36·00	11·36·30	⊙	17·0	36·8	19·8	—		
	12·33·15	12·30·00	12·30 30	⊙	1·8	20·0	18·2	—	16·4	\i on the ⊙.
		12·31·00	12 31·30	+	21·5	23·0	1·5	16·6		
		12·32·00	12·32·30	⊙	7·5	25·5	18·0	16·1		
		12·33·00	12·33·30	+	28·1	30·5	2·4	15·8		
		12·34·00	12·34·30	⊙	2·0	20·5	18·5	16·3		
		12·35·00	12·35·30	+	24·9	27·0	2·1	17·4		
		12·36·00	12·36·30	⊙	7·7	28·2	20.5	—		
	1·33·15	1·30·00	1·30·30	⊙	3·4	18·2	14·8	—	14·8	⊙ clouded by \i
		1·31·00	1·31·30	+	19·0	19·0	0·0	14·5		
		1·32·00	1.32·30	⊙	15·4	29·6	14·2	14·0		
		1·33·00	1·33·30	+	31.6	32·0	0·4	14·7		
		1·34·00	1.34·30	⊙	14 0	30·0	16·0	15·3		
		1·35.00	1·35·30	+	33·0	34·0	1·0	15·7		
		1·36·00	1·36·30	⊙	14·8	32·2	17·4	—		
	2·33·15	2·30·00	2·30·30	⊙	10·2	24·8	14·6	—	14·6	⊙ clouded by \ and _.
		2·31·00	2·31·30	+	26·0	26·0	0·0	14·7		
		2·32·00	2·32·30	⊙	14·0	28·8	14·8	14·8		
		2·33·00	2·33·30	+	31·1	31·1	0·0	14·6		
		2·34·00	2·34 30	⊙	12·8	27·2	14·4	14·5		
		2·35·00	2·35·30	+	29·0	28·8	- 0·2	14·5		
		2·36·00	2·36·30	⊙	13·8	28·0	14·2	—		
	3·33·15	3·30·00	3·30·30	⊙	8·6	20·4	11.8	—	12·8	⊙ clouded by \ and _
		3·31·00	3·31·30	+	21·0	20·4	- 0·6	12·6		
		3·32·00	3·32·30	⊙	14·4	26·6	12·2	12·9		
		3·33·00	3·33·30	+	28·0	27·2	- 0·8	13·0		
		3·34 00	3·34·30	⊙	12·8	25·0	12·2	12·8		
		3·35·00	3·35·30	+	26·4	26·0	- 0·4	12·8		
		3·36·00	3·36·30	⊙	13.0	25·6	12·6	—		
NOV. 15TH, 1846.	4·32·45	4·30·00	4·30·30	⊙	12·2	20·0	7·8	—	7·0	⊙ a little hazy
		4·31·00	4·31·30	+	22·2	23·4	1·2	6·9		
		4·32.00	4·32·30	⊙	7·0	15·4	8·4	7·1		
		4·33·00	4·33·30	+	17·2	18·6	1·4	7·0		
		4·34·00	4·34·30	⊙	6·0	14·4	8·4			
		4·35·00	4·35 30	+	15·6	17·2	1·6	—		
NOV. 16TH, 1846.	7·33·15	7·30·00	7·30·30	⊙	3·0	13·7	10·7	—	9·1	\ on the ⊙.
		7·31·00	7·31·30	+	15·5	16·5	1·0	9·4		
		7·32·00	7·32.30	⊙	8·0	18·2	10·2	9·2		
		7·33·00	7·33.30	+	20·0	21·0	1·0	9·2		
		7·34·00	7·34·30	⊙	7·0	17·2	10·2	8·7		
		7·35·00	7·35·30	+	18·0	19·5	1.5	9·1		
		7·36·00	7·36·30	⊙	8·5	19·5	11.0	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Time of Observation. Bombay, 1846. Terminal.	Exposure, sun or shade. ⊙ +	Readings. A. Initial.	Readings. B. Terminal.	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
NOVEMBER 16TH, 1846.	8·33·15	8·30·00	8·30·30	⊙	10·0	22·8	12·8	—	11·9	\ on the ⊙.
		8·31·00	8·31·30	+	24·4	25·6	1·2	11.7		
		8·32·00	8·32·30	⊙	9·2	22·2	13·0	12·0		
		8·33·00	8·33·30	+	23·7	24·5	0·8	12·4		
		8·34·00	8·34·30	⊙	10·3	23·5	13·2	11·9		
		8·35·00	8·35·30	+	25·2	27·0	1·8	11·7		
		8·36·00	8·36·30	⊙	12·0	25·8	13·8	—		
	9·33·15	9·30·00	9 30·30	⊙	6·5	21·0	14·5	—	14·2	⊙ clear.
		9·31·00	9·31·30	+	22·5	23·0	0·5	13·9		
		9·32·00	9·32·30	⊙	7·5	21·8	14·3	13·5		
		9·33.00	9·33·30	+	23·6	24·8	1·2	13·8		
		9·34·00	9·34·30	⊙	10·3	26·0	15·7	14·7		
		9·35·00	9·35·30	+	28·8	29·7	0·9	15·1		
		9·36·00	9·36·30	⊙	2·7	19·0	16·3	—		
	10·33·15	10·30·00	10·30·30	⊙	5·0	17·5	12·5	—	15·0	⊙clear.
		10·31·00	10·31·30	+	19·3	20·0	0·7	13·5		
		10·32·00	10·32·30	⊙	7·3	23·3	16·0	15·2		
		10·33·00	10·33·30	+	25·0	25·9	0·9	15·1		
		10·34·00	10·34·30	⊙	7·0	23·1	16·1	15·2		
		10·35·00	10·35·30	+	25·0	25·9	0·9	16·0		
		10·36·00	10·36·30	⊙	1·0	18·8	17·8	—		
	11·33·15	11·30·00	11·30·30	⊙	0·7	17·0	16·3	—	15·7	⊙ clear.
		11·31·00	11·31·30	+	17·9	18·0	0·1	16·2		
		11·32·00	11·32·30	⊙	6·5	22·9	16·4	16·0		
		11·33·00	11·33·30	+	24·0	24·7	0·7	15·6		
		11·34·00	11·34·30	⊙	13·8	30·0	16·2	14·8		
		11·35·00	11·35·30	+	32·0	33·1	1·1	15·8		
		11·36·00	11·36·30	⊙	7·5	25·2	17·7	—		
	12·33·15	12·30·00	12·30·30	⊙	5·0	21·1	16·1	—	16·3	⊙ clear.
		12·31·00	12·31·30	+	22·0	21·8	– 0·2	16·5		
		12·32·00	12·32·30	⊙	11·0	27·5	16·5	16·4		
		12·33·00	12·33·30	+	29·0	29·5	0.5	16·2		
		12·34·00	12·34·30	⊙	2·0	19·0	17·0	16·3		
		12·35·00	12·35·30	+	20·1	21·0	0·9	16·3		
		12·36·00	12·36·30	⊙	14·6	32·0	17·4	—		
	1·33·15	1·30·00	1·30·30	⊙	11·0	28·0	17·0	—	16·4	⊙ clear.
		1·31·00	1·31·30	+	29·0	29·6	0·6	16·7		
		1·32·00	1·32·30	⊙	14·4	32·0	17·6	16·4		
		1·33·00	1·33·30	+	34·0	35·8	1·9	16·0		
		1·34·00	1·34·30	⊙	14·2	32·2	18·0	16·3		
		1·35·00	1·35·30	+	33·4	35·0	1·6	16·6		
		1·36·00	1·36·30	⊙	14·2	32·6	18·4	—		
	2·33·15	2·30·00	2·30·30	⊙	6·8	23·0	16·2	—	16·9	⊙ clear.
		2·31·00	2·31·30	+	21·2	20·2	– 1·0	17·4		
		2·32·00	2·32·30	⊙	12·4	29·0	16·6	17·2		
		2·33·00	2·33·30	+	29·3	29·0	– 0·3	16·7		
		2·34·00	2·34·30	⊙	16·7	32·8	16·1	16·5		
		2·35·00	2·35·30	+	33·8	33·3	– 0·5	16·5		
		2·36.00	2·36·30	⊙	16·0	31·8	15·8	—		
	3·33·15	3·30·00	3·30·30	⊙	11·0	23·4	12·4	—	13·8	\ and _ very near the ⊙.
		3·31·00	3·31·30	+	22·6	20·8	– 1·8	13·8		
		3·32·00	3·32·30	⊙	13·2	24·8	11·6	13·6		
		3·33·00	3·33·30	+	24·0	21·8	– 2·2	13·8		
		3·34·00	3·34·30	⊙	12·4	24·0	11·6	13·9		
		3·35·00	3·35·30	+	22·8	20·4	– 2·4	13·7		
		3·36·00	3·36.30	⊙	12·8	23·8	11·0	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Time of Observation. Bombay, 1846. Terminal.	Exposure, sun or shade. ⊙ +	Readings. A. Initial.	Readings. B. Terminal.	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
NOV. 16TH, 1846.	4·33·15	4·30·00	4·30·30	⊙	6·0	15·0	9·0	—	9·1	⊙ clear
		4·31·00	4·31·30	+	13·6	11·4	– 2·2	10·2		
		4·32·00	4·32·30	⊙	18·8	25·8	7·0	9·1		
		4·33·00	4·33·30	+	24·6	22·6	– 2·0	8·8		
		4·34·00	4·34·30	⊙	29·2	35·8	6·6	8·6		
		4·35·00	4·35.30	+	34·2	33·2	– 2·0	8·6		
		4·36.00	4·36·30	⊙	38.2	44·8	6·6	—		
NOVEMBER 17TH, 1846.	7·33·15	7·30·00	7·30·30	⊙	4·5	14·0	9.5	—	9·4	⊙ a little hazy.
		7·31·00	7·31·30	+	15·4	15·7	0·3	9·5		
		7·32·00	7·32·30	⊙	7·6	17·8	10·2	9·5		
		7·33·00	7·33·30	+	19·0	20·0	1·0	9·2		
		7·34·00	7·34·30	⊙	5·5	15·5	10·0	9·0		
		7·35·00	7·35·30	+	17·2	18·2	1·0	9·6		
		7·36·00	7·36·30	⊙	6·8	17·4	10·6	—		
	8·33·15	8 30·00	8·30·30	⊙	1·5	15·5	14·0	—	12·8	⊙ a little hazy.
		8·31·00	8·31·30	+	18·0	19·4	1·4	12·8		
		8·32·00	8·32·30	⊙	9·2	23·4	14·2	12·7		
		8·33·00	8·33·30	+	25·5	27·0	1·5	12·7		
		8·34·00	8·34·30	⊙	11·0	25·2	14·2	12·7		
		8·35·00	8·35·30	+	27·0	28·4	1·4	12·9		
		8·36·00	8·36·30	⊙	10·5	25·0	14·5	—		
	9·33·15	9·30·00	9·30·30	⊙	34·8	47·0	12·2	—	13.4	⊙ clear.
		9·31·00	9·31·30	+	48·8	48·3	– 0·5	12·7		
		9·32·00	9·32·30	⊙	2·8	15 0	12·2	12·3		
		9·33·00	9·33·30	+	18·8	19·0	0·2	13·4		
		9·34·00	9·34·30	⊙	14·0	29·0	15·0	14·5		
		9·35·00	9·35·30	+	31·0	31·8	0·8	14·3		
		9·36·00	9·36·30	⊙	6·9	22·2	15·3	—		
	10·33·15	10·30·00	01·30·30	⊙	10·0	25·0	15·0	—	15·4	⊙ clear.
		10·31·00	10·31·30	+	26·0	26·5	0·5	15·0		
		10·32·00	10·32·30	⊙	5.0	21·0	16·0	15·3		
		10 33·00	10·33·30	+	22·0	22·9	0·9	15·1		
		10·34·00	10·34·30	⊙	8.0	24·0	16·0	15·6		
		10·35·00	10·35·30	+	25·0	25·0	0 0	16·0		
		10·33·00	10·36 30	⊙	4·0	20·0	16·0	—		
	11·33·15	11·30·00	11·30·30	⊙	19·0	34·0	15·0	—	16·0	⊙ hazy.
		11·31·00	11·31·30	+	34·2	34·0	– 0·2	15·8		
		11·32·00	11·32·30	⊙	10·6	26·9	16·3	15·9		
		11·33·00	11·33·30	+	28·0	29·0	1·0	15·7		
		11·34·00	11·34·30	⊙	12·9	30 0	17·1	16·2		
		11·35·00	11·35·30	+	31·0	31·9	0·9	16·3		
		11·36·00	11·36·30	⊙	10·7	28·0	17·3	—		
	12 33·15	12·30 00	12·30·30	⊙	4·0	20·9	16·9	—	17·1	⊙ clear.
		12 31·00	12·31·30	+	21·0	21·0	0·0	16·8		
		12·32·00	12·32·30	⊙	21.5	38·2	16·7	16·5		
		12·33·00	12·33·30	+	39·0	39·5	0·5	17·1		
		12·34·00	12.34·30	⊙	12·5	31·0	18·0	17·8		
		12·35 00	12·35·30	+	32·5	33·5	1·5	17·5		
		12·36·00	12 36·30	⊙	10·0	28·5	18·5	—		
	1·33·15	1·30·00	1·30·30	⊙	5·6	19·6	14·0	—	15·2	⊙ clear
		1·31·00	1.31·30	+	18·4	16·9	– 1·5	15·5		
		1·32·00	1·32·30	⊙	13·0	27·0	14·0	15·2		
		1·33·00	1 33·30	+	26·8	26·0	– 0·8	15·0		
		1·34·00	1·34·30	⊙	13·0	27·5	14·5	15·1		
		1·35·00	1·35·30	+	27·0	26·6	– 0·4	15·1		
		1·36·00	1·36·30	⊙	12·0	27·0	15·0	—		

ACTINOMETER.

Date. Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun ⊙ or shade +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	Initial.	Terminal.		A. Initial.	B. Terminal				
H. M. S.	H. M. S.	H. M. S.							
NOVEMBER 17TH, 1846. 2·33·15	2·30·00	2·30·30	⊙	11·6	25·8	14·2	—	15·2	⊙ clear.
	2·31·00	2·31·30	+	25·2	24·0	- 1·2	15 2		
	2·32·00	2·32·30	⊙	13 6	27·4	13·8	14·8		
	2·33·00	2·33·30	+	26·4	25·6	- 0·8	15·0		
	2·34·00	2·34·30	⊙	15·4	30·0	14·6	15·4		
	2·35·00	2·35·30	+	28·8	28·0	- 0·8	15·7		
	2·36·00	2·36·30	⊙	14·6	29 8	15·2	—		
3·33·15	3·30·00	3·30·30	⊙	6·8	17·8	11·0	—	13·0	⊙ clear.
	3·31·00	3·31·30	+	16·6	15·2	- 1·4	12.5		
	3·32·00	3·32.30	⊙	10·4	21·6	11·2	12·8		
	3·33·00	3·33·30	+	20·0	18·2	- 1·8	13·2		
	3·34·00	3·34·30	⊙	11·2	22·8	11·6	13·2		
	3·35.00	3.35·30	+	22·2	20·8	- 1·4	13·2		
	3·36·00	3·36·30	⊙	11·0	23·0	12·0	—		
4·33·15	4·30·00	4·30·30	⊙	5·0	12·0	7·0	—	8·3	⊙ clear
	4·31·00	4·31·30	+	13·0	11·0	- 2 0	8·7		
	4·32·00	4·32·30	⊙	18 0	24·5	6·5	8·6		
	4·33·00	4·33·30	+	22·3	20·1	- 2·2	8·5		
	4·34·00	4·34·30	⊙	26·0	32·0	6·0	8·1		
	4·35·00	4·35·30	+	30·2	28·2	- 2·0	7·7		
	4·36·00	4·36·30	⊙	33·0	38·4	5·4	—		
NOVEMBER 18TH, 1846. 7·33·15	7·30·00	7·30·30	⊙	5 2	15·5	10·3	—	9·3	⊙ a little hazy
	7·31·00	7·31·30	+	17·8	19·0	1·2	9·3		
	7·32·00	7·32·30	⊙	8·0	18·2	10·2	8·9		
	7·33·00	7·33·30	+	20·0	21·4	1·4	8·9		
	7·34·00	7·34·30	⊙	7·5	18·0	10·5	9·4		
	7·35·00	7·35·30	+	19·5	20·2	0·7	10·0		
	7·36·00	7·36·30	⊙	8·4	19·3	10·9	—		
8·33·15	8·30·00	8·30·30	⊙	7·0	20·2	13 2	—	12·4	⊙ clear.
	8·31·00	8·31·30	+	22·4	23·2	0·8	12·2		
	8·32·00	8·32·30	⊙	9·4	22 2	12·8	11·8		
	8·33.00	8·33·30	+	24·2	25·3	1.1	12·7		
	8·34·00	8·34·30	⊙	11·2	25·2	14·0	12·9		
	8 35·00	8·35·30	+	27·0	28 0	1·0	13·2		
	8·36·00	8·36·30	⊙	9·6	23·8	14·2	—		
9·33·15	9·30·00	9·30·30	⊙	8·1	22·5	14·4	—	14·7	⊙ clear.
	9·31 00	9·31·30	+	24·0	25·0	1·0	13·8		
	9·32·00	9·32·30	⊙	7·0	22·2	15·2	14·6		
	9·33·00	9·33·30	+	23·9	24·2	0·3	15·2		
	9·34·00	9·34·30	⊙	6·9	22·8	15·9	15·3		
	9·35·00	9·35·30	+	24·0	25·0	1·0	14·5		
	9·36·00	9·36·30	⊙	13·9	29·0	15·1	—		
10 33.15	10·30·00	10·30·30	⊙	68·8	82.0	13·2	—	15·5	⊙ clear.
	10·31·00	10·31·30	+	84·0	83·5	- 0·5	15·1		
	10·32·00	10·32·30	⊙	12·0	28.0	16·0	16·2		
	10·33·00	10·33·30	+	29·9	30·0	0·1	15·4		
	10·34·00	10·34·30	⊙	7·0	22·0	15·0	14·8		
	10·35·00	10·35·30	+	22·8	23·1	0·3	16·2		
	10·36.00	10·36·30	⊙	6·0	24·0	18·0	—		
11·33·15	11·30·00	11·30·30	⊙	5·0	17·6	12·6	—	16·2	⊙ clear.
	11·31·00	11 31 30	+	19·6	19·8	0·2	14·1		
	11·32·00	11·32·30	⊙	12·9	29·0	16·1	16·1		
	11·33·00	11·33·30	+	29·9	30·0	0·1	16·5		
	11·34·00	11·34·30	⊙	9·9	27·0	17·1	17·0		
	11·35·00	11·35 30	+	27·9	28·0	0·1	17·3		
	11·36·00	11·36·30	⊙	15·1	32·9	17·8	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B – A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
NOVEMBER 18TH, 1846.	12·33·15	12·30 00	12·30·30	⊙	8·0	24·0	16·0	—	17·4	⊙ clear
		12·31·00	12·31·30	+	24·8	24·0	- 0·8	17·5		
		12·32·00	12·32·30	⊙	1·9	19·4	17·5	17·6		
		12·33·00	12·33·30	+	21·0	21·5	0·5	17·2		
		12·34·00	12·34·30	⊙	16·0	34·0	18·0	17·4		
		12·35.00	12·35·30	+	35·7	36·5	0·8	17·2		
		12·36·00	12·36·30	⊙	9·0	27·0	18·0	—		
	1.33·15	1·30·00	1·30·30	⊙	0·0	16·6	16.6	—	16·4	⊙ clear
		1·31·00	1·31·30	+	18·6	19·0	0·4	16·4		
		1·32·00	1·32·30	⊙	14·0	31·0	17·0	16·4		
		1·33·00	1·33·30	+	31·6	32·4	0 8	16·4		
		1.34·00	1·34·30	⊙	13·6	31·0	17·4	16·4		
		1·35·00	1·35·30	+	30·8	32·0	1·2	16·2		
		1·36·00	1.36·30	⊙	15·6	33·0	17·4	—		
	2·33·15	2·30·00	2·30·30	⊙	13·8	28·2	14·4	—	16.5	⊙ clear.
		2·31·00	2·31·30	+	26·4	25·3	- 1·1	16·3		
		2·32·00	2·32·30	⊙	10·0	26·0	16·0	16·5		
		2·33·00	2·33·30	+	25·0	25·0	0·0	16·3		
		2·34·00	2·34·30	⊙	15·0	31·6	16·6	16·9		
		2·35·00	2·35·30	+	29·0	28·4	- 0·6	16·4		
		2·36·00	2·36·30	⊙	10·8	25·8	15·0	—		
	3·33·15	3·30·00	3·30·30	⊙	6·0	18·2	12·2	—	13·4	⊙ clear.
		3·31·00	3·31·30	+	17·0	15·6	- 1·4	14·0		
		3·32·00	3·32·30	⊙	11·6	24·6	13·0	14·0		
		3·33·00	3·33·30	+	25·0	24·4	- 0·6	13·1		
		3·34·00	3·34·30	⊙	14·0	26·0	12·0	12·9		
		3·35.00	3·35·30	+	25·2	24·0	- 1·2	13·1		
		3·36·00	3·36·30	⊙	11·3	23·0	11·7	—		
	4·33·15	4·30·00	4·30·30	⊙	5·5	12·2	6·7	—	7·8	⊙ clear.
		4·31·00	4·31·30	+	10·8	9 0	- 1·8	8·1		
		4·32·00	4·32·30	⊙	15·0	21.0	6·0	7·8		
		4·33·00	4.33·30	+	19·2	17·4	- 1·8	7·8		
		4·34·00	4·34·30	⊙	22·8	28·8	6·0	7·8		
		4·35·00	4·35·30	+	27·2	25·4	- 1·8	7·5		
		4·36·00	4·36·30	⊙	30·5	36·0	5·5	—		
NOVEMBER 19TH, 1846.	7·33·15	7·30·00	7·30·30	⊙	4·0	14·2	10·2	—	9·2	⊙ clear.
		7·31·00	7·31·30	+	16·2	17·3	1·1	9·1		
		7·32·00	7·32·30	⊙	4·5	14·5	10·0	8·9		
		7·33·00	7·33·30	+	16·0	17·0	1·0	9·2		
		7·34·00	7·34·30	⊙	7·2	17·4	10·2	9·2		
		7·35·00	7·35·30	+	18·8	19·8	1·0	9·6		
		7·36·00	7·36·30	⊙	7·8	18·8	11·0	—		
	8·33·15	8·30·00	8·30·00	⊙	6·8	20·0	13·2	—	12·0	⊙ clear
		8·31·00	8·31·30	+	22·4	23·4	1·0	12·3		
		8·32·00	8·32·30	⊙	7·0	20·5	13·5	12.1		
		8·33·00	8·33·30	+	22·4	24·2	1·8	11·5		
		8·34·00	8·34.30	⊙	11·8	25·0	13·2	11·6		
		8·35·00	8·35·30	+	26·5	27·8	1·3	12·4		
		8·36·00	8·36·30	⊙	9·5	23·8	14·3	—		
	9·33·15	9.30·00	9·30·30	⊙	11·0	26·0	15·0	—	14·9	⊙ clear
		9·31·00	9·31·30	+	29·0	30·0	1·0	14·5		
		9·32·00	9·32·30	⊙	15·0	31·0	16·0	15·0		
		9·33·00	9·33·30	+	32·9	34·0	1·1	15·0		
		9·34·00	9·34·30	⊙	11·0	27·0	16·0	15·0		
		9·35·00	9·35·30	+	29.0	30·0	1·0	15·2		
		9·36·00	9·36·30	⊙	0·0	16·4	16·4	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846 Initial.	Terminal.	Exposure, sun or shade. ⊙ +	Readings. A. Initial.	B. Terminal.	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
NOVEMBER 19TH, 1846.		10·30·00	10·30·30	⊙	4·0	17·9	13·9	—		⊙ clear.
		10·31·00	10·31·30	+	17·9	17·1	– 0.8	15·2		
		10·32·00	10·32·30	⊙	5 0	20.0	15.0	15·0		
	10.33.15	10·33·00	10·33·30	+	25·0	25·9	0·9	14·1	14·8	
		10·34.00	10·34·30	⊙	12·0	27·0	15·0	14·6		
		10·35·00	10 35·30	+	28·9	28.9	0·0	15·1		
		10·36·00	10·36·30	⊙	9·8	25·0	15·2	—		
		11·30.00	11·30·30	⊙	3·9	18·9	15·0	—		⊙ clear.
		11·31.00	11·31·30	+	20·0	20·0	0·0	15·5		
		11·32·00	11·32·30	⊙	5·0	21·0	16·0	15·8		
	11·33·15	11·33·00	11·33·30	+	22·0	22·5	0·5	16·2	16·3	
		11.34·00	11·34·30	⊙	7·5	25·0	17·5	17·2		
		11·35·30	11·35·00	+	25·3	25·5	0·2	16·8		
		11·36·30	11·36 00	⊙	5·4	22·0	16·6	—		
		12·30·00	12·30·30	⊙	9·0	22·5	13·5	—		⊙ clear.
		12.31·00	12·31·30	+	23·0	22·2	– 0·8	15·5		
		12·32·00	12·32·30	⊙	6·0	22·0	16·0	16·1		
	12·33·15	12·33.00	12·33·30	+	23·0	23·5	0·5	15·6	15·7	
		12·34·00	12·34·30	⊙	9·8	26·0	16 2	15·5		
		12·35·00	12·35·30	+	28·0	39·0	1·0	15·8		
		12·36·00	12.36·30	⊙	10·0	27·5	17·5	--		
		1·30·00	1.30·30	⊙	12·0	27·0	15·0	—		⊙ clear.
		1.31·00	1.31·30	+	27·6	26·4	– 1.2	16·0		
		1·32·00	1·32·30	⊙	16·0	30·6	14·6	15·6		
	1·33.15	1·33·00	1·33·30	+	30·0	29·2	– 0·8	15·4	15·7	
		1·34·00	1·34·30	⊙	15·4	30·0	14·6	15·6		
		1·35·00	1·35·30	+	20·2	28·0	– 1·2	15·7		
		1·36·00	1·36·30	⊙	12·8	27·2	14·4	—		
		2·30·00	2·30·30	⊙	9·8	24·4	14·6	—		⊙ clear.
		2·31·00	2·31·30	+	24·2	23·0	– 1·2	15·9		
		2·32·00	2·32·30	⊙	12·4	27·2	14·8	15·4		
	2·33·15	2·33·00	2·33·30	+	29·0	29·0	0·0	14·4	15·0	
		2·34·00	2·34.30	⊙	13·0	27·0	14·0	14·1		
		2·35·00	2·35·30	+	26·8	26·6	– 0·2	15·2		
		2·36·00	2·36·30	⊙	15·0	31·0	16·0	—		
		3·30·00	3·30·30	⊙	8·0	21·0	12·0	—		⊙ a little hazy.
		3·31.00	3·31·30	+	19.0	16·6	– 2·4	13·8		
		3·32·00	3·32·30	⊙	13·2	24·0	10·8	13·0		
	3·33·15	3·33.00	3·33·30	+	22·0	20·0	– 2·0	13.3	13·5	
		3·34·00	3·34·30	⊙	13·0	24·8	11·8	14·0		
		3·35·00	3·35·30	+	22·8	20·4	– 2·4	13·6		
		3·36·00	3.36·30	⊙	12·2	22·8	10·6	—		
		4·30·00	4·30·30	⊙	7·0	14·5	7·5	—		⊙ clear.
		4·31·00	4.31·30	+	14·0	12·4	– 1·6	8·7		
		4·32·00	4·32·30	⊙	21·0	27·8	6·8	8·1		
	4·33·15	4·33·00	4·33·30	+	28·0	27·0	– 1·0	7·5	7·8	
		4·34·00	4·34·30	⊙	33·8	40·0	6·2	7·4		
		4·35·00	4·35·30	+	39·4	38·0	– 1·4	7·3		
		4·36·00	4·36·30	⊙	44·8	50·4	5·6	—		
NOV. 20TH, 1846.		7·30·00	7·30·30	⊙	1·0	10·5	9·5	—		Slight mist on the ⊙.
		7·31·00	7·31·30	+	12·4	13·7	1·3	8·8		
		7·32·00	7·32·30	⊙	7·2	17·3	10·1	9·0		
	7·33·15	7·33.00	7·33·30	+	19·2	20·0	0·8	9·2	9·1	
		7·34·00	7·34·30	⊙	7·2	17·2	10·0	9·2		
		7·35·00	7·35·30	+	19·2	20·0	0·8	9·4		
		7.36·00	7·36·30	⊙	7·8	18·2	10·4	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min B—A.	Radiation in parts of Scale.	Mean.	Remarks
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
NOVEMBER 20TH, 1846.	8.33·15	8·30·00	8·30·30	⊙	5·5	18·0	12·5	—	11·6	Slight mist on the ⊙.
		8·31·00	8·31·30	+	19·8	20·8	1·0	11·3		
		8·32·00	8·32·30	⊙	9·4	21 2	11·8	10·8		
		8·33·00	8·33·30	+	22·2	23·2	1·0	11·5		
		8·34·00	8·34·30	⊙	8·8	22·0	13·2	12·2		
		8·35·00	8·35·30	+	23·5	24·4	0·9	12·3		
		8·36·00	8·36·30	⊙	7·0	20·2	13·2	—		
	9·33 15	9.30·00	9·30·30	⊙	7·5	21 0	13·5	—	13·9	⊙ clear.
		9·31·00	9·31·30	+	23·0	33·9	0·9	12·9		
		9·32.00	9·32·30	⊙	10·9	25·0	14·1	13·6		
		9·33·00	9·33·30	+	27·0	27·1	0.1	14·2		
		9·34·00	9·34·30	⊙	12·5	27·0	14·5	14·2		
		9·35·00	9·35·30	+	32·0	23·4	0·5	14·5		
		9·36·00	9·36·30	⊙	10·5	26·0	15·5	—		
	10·33·15	10·30·00	10·30·30	⊙	47·7	61·0	13·3	—	15·1	⊙ clear.
		10·31·00	10·31·30	+	61·8	61·0	- 0·8	15·0		
		10·32·00	10·32·30	⊙	2·8	17·9	15·1	14·9		
		10·33·00	10·33·30	+	19·0	20·0	1·0	14·7		
		10·34·00	10·34·30	⊙	5.2	21·5	16·3	15·5		
		10·35·00	10 35·30	+	22·3	23·0	0·7	15·2		
		10·36·00	10 36 30	⊙	16·0	31·5	15·5	—		
	11·33·15	11·30·00	11·30·30	⊙	4·0	18·2	14·2	—	15·2	⊙ clear.
		11·31·00	11·31·30	+	20·0	20·0	0·0	14·6		
		11·32·00	11·32·30	⊙	14·0	29·0	15·0	14·6		
		11·33·00	11·33·30	+	30·9	31·8	0·9	15·1		
		11·34·00	11·34·30	⊙	12·0	29·0	17·0	16·1		
		11·35·00	11·35·30	+	31·0	32·0	1·0	15·7		
		11·36·00	11·36·30	⊙	46·0	62·5	16·5	—		
	12·33·15	12·30 00	12·30·30	⊙	4·0	18·5	14·5	—	15·9	⊙ clear.
		12·31·00	12.31·30	+	19·0	19·0	0·0	15·5		
		12·32·00	12·32·30	⊙	7·0	23·5	16·5	16·1		
		12·33·00	12·33·30	+	25.2	26·0	0·8	15·6		
		12·34·00	12·34·30	⊙	11·0	27·3	16·3	15·3		
		12·35·00	12·35·30	+	29·7	30·9	1·2	16·9		
		12·36·00	12·36·30	⊙	10·0	30·0	20 0	—		
	1·33·15	1·30·00	1·30·30	⊙	13.0	27·8	14·8	—	14·7	⊙ clear.
		1·31·00	1·31·30	+	29·8	30·0	0·2	14·9		
		1·32·00	1·32·30	⊙	10·6	26·0	15·4	15·1		
		1.33·00	1·33·30	+	26·6	27·0	0·4	15·1		
		1·34·00	1 34·30	⊙	16·4	32·0	15·6	14·5		
		1·35·00	1·35·30	+	33·2	35·0	1·8	14·0		
		1·36·00	1·36·30	⊙	18·6	34·6	16·0	—		
	2·33·15	2·30·00	2·30·30	⊙	8·6	23·6	15·0	—	15·1	⊙ clear
		2·31·00	2·31 30	+	24·5	24·0	- 0 5	15·5		
		2·32·00	2 32·30	⊙	13·6	28·6	15·0	15·4		
		2·33·00	2·33·30	+	28·8	28·6	- 0·2	14·8		
		2·34·00	2·34·30	⊙	14·8	29·0	14·2	14·7		
		2·35·00	2·35·30	+	28·8	28·0	- 0·8	15·1		
		2·36·00	2·36·30	⊙	12·6	27·0	14·4	—		
	3·33·15	3·30·00	3·30·30	⊙	9·8	21·0	11·2	—	12·8	⊙ clear.
		3·31·00	3·31·30	+	20·0	18·5	- 1·5	12·8		
		3·32·00	3·32·30	⊙	11·0	22·4	11·4	12·9		
		3·33·00	3·33·30	+	22·0	20·5	- 1·5	12·9		
		3·34·00	3·34·30	⊙	12·0	23·4	11·4	12·7		
		3·35·00	3·35·30	+	23·3	22·3	- 1·0	12·6		
		3·36·00	3·36·30	⊙	12·0	23·8	11·8	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Time of Observation. Bombay, 1846. Terminal.	Exposure, sun or shade ⊙ +	Readings. A. Initial.	Readings. B. Terminal.	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
NOV. 20TH, 1846.	4·33·15	4·30·00	4·30·30	⊙	10·6	18·2	7·6	—	8·6	⊙ clear.
		4·31·00	4·31·30	+	17·4	15·8	- 1·6	9·1		
		4·32·00	4·32·30	⊙	9·6	17·0	7·4	8·9		
		4·33·00	4·33·30	+	15·6	14·2	- 1·4	8·5		
		4·34·00	4·34·30	⊙	21·0	27·8	6·8	8·4		
		4·35·00	4·35.30	+	27·0	25·2	- 1·8	8·3		
		4·36.00	4·36·30	⊙	11·0	17·2	6·2	—		
NOVEMBER 21ST, 1846.	7·33·15	7·30·00	7·30·30	⊙	11·5	21·2	9·7	—	8·5	Slight mist on the ⊙
		7·31·00	7·31·30	+	23·0	24·2	1·2	8·6		
		7·32·00	7·32·30	⊙	7·4	17·4	10·0	8·8		
		7·33·00	7·33·30	+	18·5	19·6	1.1	8·7		
		7·34·00	7·34·30	⊙	6·8	16·4	9·6	8·1		
		7·35·00	7·35·30	+	18·2	19·0	0·8	9·1		
		7·36·00	7·36·30	⊙	6·2	16·4	10·2	—		
	8·33·15	8·30·00	8·30·30	⊙	1·0	14·2	13·2	—	11·7	⊙ clear.
		8·31·00	8·31·30	+	17·0	18·8	1·8	11.4		
		8·32·00	8·32·30	⊙	9·0	22·2	13·2	11·5		
		8·33·00	8·33·30	+	24·8	26·0	1·2	12·0		
		8·34·00	8·34·30	⊙	10.6	23·8	13·2	11·9		
		8·35·00	8·35·30	+	25·8	27·2	1·4	11·8		
		8·36·00	8·36·30	⊙	7·2	20·4	13·2	—		
	9·33·15	9·30·00	9·30·30	⊙	4·0	17·0	13·0	—	13.1	⊙ clear.
		9·31·00	9·31·30	+	18·0	18·0	0·0	13.5		
		9·32·00	9·32·30	⊙	8·0	22·0	14·0	13·5		
		9·33·00	9·33·30	+	24·0	25·0	1·0	13·5		
		9·34·00	9·34·30	⊙	12·0	26·0	14·0	12·5		
		9·35·00	9·35·30	+	28·0	30·0	2·0	12.5		
		9·36·00	9·36·30	⊙	13·0	28·0	15·0	—		
	10·33·15	10·30·00	01·30·30	⊙	10·0	24·9	14·9	—	15·4	⊙ clear.
		10·31·00	10·31·30	+	25·3	26·0	0·7	14·8		
		10·32·00	10·32·30	⊙	12·0	27·2	15·2	14·8		
		10 33·00	10·33·30	+	29·9	30·0	0·1	15·4		
		10·34·00	10·34·30	⊙	12·9	28·8	15·9	15·8		
		10·35·00	10·35·30	+	31·0	31·2	0·2	16·4		
		10·36·00	10·36 30	⊙	13·6	31·0	17·4	—		
	11·33·15	11·30·00	11·30·30	⊙	4·0	18·0	14·0	—	14·9	⊙ clear.
		11·31·00	11·31·30	+	16·0	16·0	0·0	14·5		
		11·32·00	11·32·30	⊙	13·9	29·0	15·1	15·0		
		11·33·00	11·33·30	+	30·0	30·2	0·2	14·9		
		11·34·00	11·34·30	⊙	15·0	30·0	15·0	14·6		
		11·35·00	11·35·30	+	38·8	39·5	0·7	15·4		
		11·36·00	11·36·30	⊙	5·0	22·2	17·2	—		
	12·33·15	12·30 00	12·30·30	⊙	19·9	34·0	14·1	—	15·2	⊙ clear.
		12·31·00	12·31·30	+	35·0	35·0	0·0	15·0		
		12·32·00	12·32·30	⊙	10·0	25·9	15·9	15·5		
		12·33·00	12·33·30	+	27·2	28·0	0·8	15·2		
		12·34·00	12.34·30	⊙	14·8	30·9	16·1	15·1		
		12·35·00	12·35·30	+	32·9	34·2	1·3	15·1		
		12·36·00	12·36·30	⊙	15·8	32·5	16·7	—		
	1·33·15	1·30·00	1·30·30	⊙	12·0	27·2	15·2	—	15·9	⊙ clear.
		1·31·00	1.31·30	+	27·8	27·2	- 0·6	15.9		
		1·32·00	1·32·30	⊙	12·6	28·0	15·4	15 8		
		1·33·00	1 33·30	+	28·8	28·6	- 0·2	15·8		
		1·34·00	1·34·30	⊙	13·4	29·2	15·8	16·1		
		1·35·00	1·35·30	+	29·4	29·0	- 0·4	16·1		
		1·36·00	1·36·30	⊙	13·6	29·2	15·6	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Time of Observation. Bombay, 1846. Terminal.	Exposure, sun or shade. ⊙ +	Readings. A. Initial.	Readings. B. Terminal.	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
NOVEMBER 21st, 1846.	2·33·15	2·30·00	2·30·30	⊙	6·8	20·0	13·2	—	14·7	⊙ clear.
		2·31·00	2·31·30	+	18·6	17·3	– 1·3	14·9		
		2·32·00	2·32·30	⊙	10·0	24·0	14·0	15·0		
		2·33·00	2·33·30	+	22·8	22·2	– 0·6	14·5		
		2·34·00	2·34·30	⊙	12·2	26·0	13·8	14·5		
		2·35·00	2·35·30	+	24·4	23·6	– 0·8	14·7		
		2·36·00	2·36·30	⊙	13·6	27·6	14·0	—		
	3·33·15	3·30·00	3·30·30	⊙	8·0	19·8	11·8	—	12·5	⊙ clear.
		3·31·00	3·31·30	+	19·8	19·0	– 0.8	12·4		
		3·32·00	3·32.30	⊙	9·0	20·4	11.4	12·2		
		3·33·00	3·33·30	+	20·8	20·0	– 0·8	12·4		
		3·34·00	3·34·30	⊙	11·6	23·4	11·8	12·7		
		3·35.00	3.35·30	+	23·8	22·8	– 0·0	13·0		
		3·36·00	3·36·30	⊙	15·6	27·8	12·2	—		
NOVEMBER 23rd, 1846.	7·33·15	7·30·00	7·30·30	⊙	3·0	13·0	10·0	—	9·1	⊙ clear
		7·31·00	7·31·30	+	14·5	15·2	0·7	9 3		
		7·32·00	7·32·30	⊙	5·2	15·2	10·0	9·0		
		7·33·00	7·33·30	+	16·5	17·8	1·3	8·7		
		7·34·00	7·34·30	⊙	7·2	17·2	10·0	9·0		
		7·35·00	7·35·30	+	18·8	19·5	0·7	9·3		
		7·36·00	7·36·30	⊙	7·2	17·2	10·0	—		
	8·33·15	8·30·00	8·30·30	⊙	2·5	15·0	12.5	—	12·0	⊙ clear.
		8·31·00	8·31·30	+	16·9	17·8	0·9	11·9		
		8·32·00	8·32·30	⊙	4·4	17·5	13·1	12·2		
		8·33·00	8·33·30	+	19·2	20·0	0·8	12·0		
		8·34·00	8·34·30	⊙	8·0	20·5	12·5	11·8		
		8·35·00	8·35·30	+	22·4	23·0	0·6	12·0		
		8·36·00	8·36·30	⊙	10·6	23·4	12·8	—		
	9·33·15	9·30·00	9·30·30	⊙	8·0	22·0	14·0	—	13·4	⊙ clear.
		9·31·00	9·31·30	+	23·5	24·0	0·5	13·7		
		9·32·00	9·32·30	⊙	9·0	23·5	14·5	13·8		
		9·33.00	9·33·30	+	25·0	25·9	0·9	13·4		
		9·34·00	9·34·30	⊙	10·9	25·0	14·1	13·1		
		9 35·00	9·35·30	+	27.2	28·5	1·3	13·9		
		9·36·00	9·36·30	⊙	7·7	22·2	14·5	—		
	10·33·15	10·30·00	10·30·30	⊙	8·0	23·0	15·0	—	14·4	⊙ clear.
		10·31 00	10·31·30	+	24.0	24·9	0·9	14·1		
		10·32·00	10·32·30	⊙	10·0	25·0	15·0	14·1		
		10·33·00	10 33·30	+	26·0	27·0	1·0	14·3		
		10·34·00	10·34·30	⊙	11·3	26·9	15·6	14·6		
		10·35·00	10·35·30	+	29·0	30·0	1·0	14·7		
		10·36·00	10·36·30	⊙	11·5	27·3	15·8	—		
	11·33.15	11·30·00	11·30·30	⊙	2·0	19·0	17·0	—	16·5	⊙ clear
		11·31·00	11·31·30	+	20·0	20·0	0.0	17·0		
		11·32·00	11·32·30	⊙	11·0	28·0	17·0	16·6		
		11·33·00	11·33·30	+	30·0	30·8	0·8	16·1		
		11·34·00	11·34·30	⊙	23·0	39·8	16·8	16·2		
		11·35·00	11·35·30	+	41·0	41·5	0·5	16·7		
		11·36.00	11·36·30	⊙	8·3	26·0	17·7	—		
	12·33·15	12·30·00	12·30·30	⊙	8·0	23·0	15·0	—	16·7	⊙ clear, Ci very near the ⊙ on the South-west side.
		12·31·00	12·31·30	+	22·9	22·0	– 0·9	16·9		
		12·32·00	12·32·30	⊙	3·0	20·0	17·0	17·0		
		12·33·00	12·33·30	+	20·0	21·0	1·0	16·0		
		12·34·00	12·34·30	⊙	11·0	28·0	17·0	16·5		
		12·35·00	12·35·30	+	29·0	29·0	0·0	17·1		
		12·36·00	12·36·30	⊙	5·3	22·5	17·2	—		

ACTINOMETER.

Date. Bombay Civil Time.		Time of Observation. Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
NOVEMBER 23RD, 1846.	1·33·15	1·30·00	1·30·30	⊙	4·2	18·0	13·8	—	14·6	⊙ clear.
		1·31·00	1·31·30	+	18·0	17·5	– 0·5	14·6		
		1·32·00	1·32·30	⊙	12·6	27·0	14·4	14·4		
		1·33·00	1·33·30	+	27·4	28·0	0·6	14.2		
		1·34·00	1·34·30	⊙	11·6	26·8	15·2	14·6		
		1·35·00	1·35·30	+	26·6	27·2	0·6	15·4		
		1·36·00	1·36·30	⊙	14·6	31.4	16·8	—		
	2·33·15	2·30·00	2·30·30	⊙	11·4	25·8	14·4	—	15·6	⊙ clear.
		2·31·00	2·31·30	+	23·4	21·7	– 1·7	15·8		
		2.32·00	2·32·30	⊙	12·0	25·8	13·8	15·4		
		2·33·00	2·33·30	+	24·6	23·0	– 1·6	15·5		
		2·34·00	2·34·30	⊙	13·4	27·4	14·0	15·4		
		2·35·00	2·35·30	+	26·6	25·4	– 1·2	15·7		
		2·36·00	2·36·30	⊙	12·0	27·0	15·0	—		
	3·33·15	3·30 00	3·30·30	⊙	10·8	22·5	11·7	—	13·0	\ very near the ⊙
		3·31·00	3·31·30	+	21·4	19·2	– 2·2	13·7		
		3·32·00	3·32·30	⊙	9·8	21·2	11·4	13·3		
		3·33·00	3·33·30	+	20·8	19·2	– 1·6	12·8		
		3·34·00	3·34·30	⊙	11·0	22·0	11·0	12·5		
		3·35·00	3·35·30	+	21·4	20·0	– 1·4	12·7		
		3·36·00	3·36·30	⊙	11·0	22·6	11·6	—		
	4·33·15	4·30.00	4·30·30	⊙	13·0	21·0	8·0	—	9·7	⊙ a little clouded by \.
		4·31·00	4·31·30	+	19·8	18·2	– 1·6	9·7		
		4·32·00	4·32·30	⊙	1·6	9·8	8·2	9·8		
		4·33·00	4·33·30	+	9·7	8·0	– 1.7	9·8		
		4·34·00	4·34·30	⊙	10·0	18·0	8·0	9·6		
		4·35·00	4.35·30	+	17·1	15·6	– 1·5	9·4		
		4·36·00	4·36·30	⊙	5·0	12·8	7·8	—		
NOVEMBER 24TH, 1846.	7·33·15	7·30·00	7·30·30	⊙	9·5	18·8	9·3	—	8·4	\ on the ⊙.
		7·31·00	7·31·30	+	20·0	21·0	1·0	8·2		
		7·32·00	7·32·30	⊙	5·4	14·5	9·1	8·2		
		7·33·00	7·33·30	+	16·2	17·0	0·8	8·7		
		7·34·00	7·34·30	⊙	7·5	17·4	9·9	8·7		
		7·35·00	7·35·30	+	18·2	19·8	1·6	8·2		
		7·36·00	7·36·30	⊙	8·2	18·0	9·8	—		
	8·33·15	8·30·00	8·30·30	⊙	3·2	16·2	13·0	—	12·2	\ very near the ⊙.
		8·31·00	8·31·30	+	17·5	18·5	1·0	11·9		
		8·32·00	8·32·30	⊙	8·6	21·5	12·9	11·7		
		8·33·00	8·33·30	+	23·3	24·5	1·2	12·0		
		8·34.09	8·34·30	⊙	10·8	24·4	13·6	12·4		
		8·35·00	8·35·30	+	25 8	26·0	0·2	13·0		
		8·36·00	8·36·30	⊙	10·3	23·2	12·9	—		
	9·33·15	9·30·00	9·30·30	⊙	3·0	18·5	15·5	—	14·3	\ on the ⊙.
		9·31·00	9 31·30	+	20·2	21·0	0·8	13·9		
		9·32·00	9·32·30	⊙	1·0	15·0	14·0	13·1		
		9·33·00	9·33·30	+	16·8	17·8	1·0	14·1		
		9·34·00	9·34·30	⊙	5·8	22·0	16·2	15·4		
		9·35·00	9·35·30	+	23·3	23·9	0·6	14·9		
		9·36·00	9·36·30	⊙	5·0	19·8	14·8	—		
	10·33·15	10·30·00	10·30·30	⊙	6·0	21·0	15·0	—	14·5	\ on the ⊙
		10·31·00	10·31·30	+	28·0	28·0	0·0	15·0		
		10·32·00	10·32·30	⊙	25·0	40·0	15·0	15·0		
		10·33·00	10·33·30	+	40·9	41·0	0·1	14·3		
		10·34·00	10·34·30	⊙	11·2	25·0	13·8	13·8		
		10·35.00	10·35·30	+	26·8	26·8	0·0	14·4		
		10·36·00	10·36·30	⊙	9.0	24·0	15·0	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun or shade. + ⊙	Readings.		Change per ½ min B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal				
	H. M.S.	H. M. S.	H. M. S.							
NOVEMBER 24th, 1846.		11·30·00	11·30·30	⊙	66·0	80·8	14·8	—		⊙ clear
		11·31·00	11·31·30	+	81·0	80·8	- 0·2	15·6		
		11·32·00	11·32·30	⊙	14·0	30·0	16·0	16·0		
	11·33·15	11·33·00	11·33·30	+	31·2	31·5	0·3	16.2	16·0	
		11·34·00	11·34·30	⊙	10·0	27·0	17·0	16·3		
		11·35·00	11·35·30	+	28.9	30·0	1·1	15·7		
		11·36·00	11·36·30	⊙	5·8	22·5	16·7	—		
		12·30.00	12·30·30	⊙	3·8	20·0	16·2	—		⊙ c'ear. Ni about the sky.
		12·31·00	12·31·30	+	20·9	20·6	0·3	16·3		
		12·32·00	12·32.30	⊙	8·5	25·0	16·5	16·2		
	12·33·15	12·23·00	12·33·30	+	26.0	27·0	1·0	16·3	16·6	
		12·34·00	12·34·30	○	10·9	29·0	18.1	17·1		
		12·35·00	12·35·30	+	30·2	31·2	1·0	17·0		
		12·36·00	12·36·30	⊙	9·0	27·0	18·0	—		
		1·30·00	1·30·30	⊙	16·4	32·6	16·2	—		⊙ a little hazy
		1·31·00	1·31·30	+	32·2	31·4	- 0·8	17·0		
		1·32·00	1·32·30	⊙	13·0	29·2	16·2	16·2		
	1·33·15	1·33·00	1·33·30	+	29·2	30·0	0·8	15·6	16·2	
		1·34·00	1·34·30	⊙	13·0	29·6	16·6	16·0		
		1·35·00	1·35·30	+	29·2	29·6	0·4	16·1		
		1·36·00	1·36·30	⊙	14·8	31·2	16·4	—		
		2·30·00	2·30·30	⊙	9·0	23·0	14·0	—		⊙ clear.
		2·31·00	2·31·30	+	21·4	20·6	- 0·8	14·8		
		2·32·00	2.32·30	⊙	13·3	27·3	14·0	14·7		
	2·33·15	2·33·00	2·33·30	+	25·7	25·1	- 0·5	14·9	14·9	
		2·34·00	2.34·30	⊙	12·2	26·8	14·6	15·0		
		2·35.00	2·35·30	+	25·6	25·4	- 0·2	15·1		
		2·36·00	2·36·30	⊙	14·8	30·0	15·2	—		
		3·30·00	3·30·30	⊙	9·0	20·2	11·2	—		⊙ clear.
		3·31·00	3·31·30	+	17·6	15·0	- 2·6	13·8		
		3·32·00	3·32·30	⊙	8·8	20·0	11·2	13·8		
	3·33·15	3·33·00	3·33·30	+	19·0	16·4	- 2·6	13·5	13·4	
		3·34·00	3·34·30	⊙	11·0	21·6	10·6	13.0		
		3·35·00	3·35·30	+	20·0	17·8	- 2·2	13·1		
		3·36·00	3·36·30	⊙	10·2	21·4	11·2	—		
		4·30·00	4·30·30	⊙	4·0	10·8	6·8	—		⊙ clear
		4·31·00	4·31·30	+	9·6	7·4	- 2·2	8·6		
		4·32·00	4·32·30	⊙	13·0	19·0	6·0	8·4		
	4·33·15	4·33·00	4·33·30	+	17·6	15·0	- 2·6	8·8	8·6	
		4·34·00	4·31·30	⊙	10·6	17·0	6·4	8·9		
		4·35·00	4·35·30	+	14·6	12·2	- 2·4	8·5		
		4·36·00	4·36·30	⊙	17·8	23·6	5·8	—		
NOVEMBER 25th, 1846.		7·30·00	7·30·30	⊙	5·2	15·0	10·2	—		⊙ clear
		7·31·00	7·31·30	+	16·5	18·0	1·5	8·6		
		7·32.00	7·32·30	⊙	1·5	11·6	10·1	8·8		
	7·33·15	7·33·00	7·33·30	+	13·2	14·2	1·0	9·1	9·5	
		7·34·00	7·34·30	⊙	8·0	18·2	10·2	9·3		
		7·35·00	7·35·30	+	20·4	21·2	0·8	9·3		
		7·30·00	7·35·30	⊙	7·2	17·3	10·1	—		
		8·30·00	8·30·30	⊙	3·2	16·2	13·0	—		⊙ clear.
		8·31·00	8·31·30	+	18·2	19·2	1·0	12·7		
		8·32·00	8·32.30	⊙	8·6	22·3	13·7	12·5		
	8·33·15	8·33·00	8·33.30	+	24·0	25·2	1·2	12·8	12·8	
		8·34·00	8·34·30	⊙	9·5	23·8	14·3	13.0		
		8·35·00	8·35·30	+	25·6	27·0	1·4	12·9		
		8·36·00	8·36·30	⊙	12·2	36·2	14·0	—		

ACTINOMETER.

Date. Bombay Civil Time.		Time of Observation. Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
NOVEMBER 25TH, 1846.		9·30·00	9·30·30	⊙	2·2	16·2	14·0	—		⊙ clear.
		9·31·00	9·31·30	+	17·5	17·5	0·0	14·0		
		9·32·00	9·32·30	⊙	7·7	21·8	14·1	13·7		
	9·33·15	9·33·00	9·33·30	+	23·0	23·9	0·9	13·6	13·8	
		9·34·00	9·34·30	⊙	8·0	22·9	14·9	14·0		
		9·35·00	9·35·30	+	25·0	26·0	1·0	13.9		
		9·36·00	9·36·30	⊙	9.0	24·0	15.0	—		
		10·30·00	10 30·30	⊙	5·0	20·0	15·0	—		⊙ clear.
		10·31·00	10·31·30	+	21·0	21·5	0·5	14·3		
		10·32·00	10·32·30	⊙	6·4	21·0	14·6	13·9		
	10·33·15	10·33.00	10·33·30	+	22·0	22·9	0·9	14·1	14·5	
		10·34·00	10·34·30	⊙	9.5	25·0	15·8	14·8		
		10·35·00	10·35·30	+	27·0	27·5	0·5	15·2		
		10·36·00	10·36·30	⊙	14·0	30·0	16·0	—		
		11·30·00	11·30·30	⊙	9·0	24·8	15·8	—		⊙ clear.
		11·31·00	11·31·30	+	26·0	26·4	0·4	15·7		
		11·32·00	11·32·30	⊙	12·0	28.5	16·5	15·8		
	11·33·15	11·33·00	11·33·30	+	29·0	30 0	1.0	15·7	15·9	
		11·34·00	11·34·30	⊙	8·2	25·2	17·0	15·8		
		11·35·00	11·35·30	+	27·0	28·5	1·5	16·5		
		11·36·00	11·36·30	⊙	0·0	19·0	19·0	—		
		12·30·00	12·30·30	⊙	2·0	20·0	18·0	—		⊙ clear.
		12·31·00	12·31·30	+	20·2	21·0	0·8	17·2		
		12·32·00	12·32·30	⊙	4·0	22·0	18·0	17·1		
	12·33·15	12·33·00	12·33·30	+	23·0	24·0	1·0	16·7	16·8	
		12·34·00	12·34·30	⊙	5·8	23·2	17·4	16·5		
		12·35·00	12·35·30	+	24·2	25·0	0·8	16·6		
		12·36·00	12·36·30	⊙	12·9	30·3	17·4	—		
		1·30·00	1·30·30	⊙	7·6	21·6	14·0	—		⊙ clear.
		1·31·00	1·31·30	+	20·8	19·4	- 1·4	16·3		
		1·32·00	1·32·30	⊙	11·8	27·6	15·8	16·5		
	1·33·15	1·33·00	1·33·30	+	27·8	27·8	0 0	16·0	16·3	
		1·34·00	1·34·30	⊙	12·6	28·8	16·2	16·3		
		1·35·00	1·35·30	+	29·2	29·0	- 0·2	16.3		
		1·36·00	1·36·30	⊙	11·0	27·0	16·0	—		
		2·30·00	2·30·30	⊙	12·0	25 8	13·8	—		⊙ clear.
		2·31·00	2·31·30	+	24·0	22·4	- 1·6	15·4		
		2·32·00	2·32·30	⊙	13·5	27·4	13·9	15·5		
	2·33·15	2·33·00	2·33·30	+	24·5	23·0	- 1·5	15·3	15·2	
		2·34·00	2·34·30	⊙	11·2	25·0	13·8	14·8		
		2·35·00	2·35·30	+	23·8	23·3	- 0·5	15·0		
		2·36·00	2·36·30	⊙	10·8	26·0	15·2	—		
		3·30·00	3·30·30	⊙	4 2	15·2	11·0	—		⊙ clear.
		3·31·00	3·31·30	+	14·7	13·0	- 1.7	12·8		
		3·32·00	3·32·30	⊙	11·0	22·2	11·2	12·8		
	3·33·15	3·33·00	3·33·20	+	23 0	21·6	- 1·4	12·4	12·7	
		3·34·00	3·34·30	⊙	6·2	17·0	10·8	12·4		
		3·35·00	3·35·30	+	16·4	14·6	- 1·8	13·0		
		3·36.00	3·36·30	⊙	10·1	21·7	11·6	—		
		4·30·00	4·30·30	⊙	10·0	18·0	8·0	—		⊙ clear.
		4·31·00	4·31·30	+	21·4	21·4	0·0	8·5		
		4·32·00	4·32·30	⊙	5·4	14·4	9·0	9·2		
	4·33·15	4·33·00	4·33·30	+	15·4	15·0	- 0·4	8·9	8·9	
		4·34·00	4·34·30	⊙	23·8	31·8	8·0	9·0		
		4·35·00	4·35·30	+	31·0	29·4	- 1·6	9·1		
		4·36·00	4·36.30	⊙	8·0	15·0	7 0	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Terminal.	Exposure, sun or shade. ⊙ +	Readings. A. Initial.	B. Terminal.	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
NOVEMBER 26th, 1846.	7.33·15	7·30·00	7·30·30	⊙	5·5	15·0	10·5	—	9·4	Mist on the ⊙.
		7·31·00	7·31·30	+	16·2	17·0	0·8	9·3		
		7·32·00	7·32·30	⊙	8·0	17·7	9·7	8·8		
		7·33·00	7·33·30	+	19·0	20·0	1 0	9·1		
		7·34·00	7·34·30	⊙	–1·0	9·5	10·5	9·8		
		7·35·00	7·35·30	+	11·2	11·5	0·3	10·2		
		7·36·00	7·36·30	⊙	6·5	16·5	10·0	—		
	8·33 15	8.30·00	8·30·30	⊙	7·5	20·4	12·9	—	12·1	⊙ clear.
		8·31·00	8·31·30	+	22·0	23·0	1·0	11·9		
		8 32.00	8·32·30	⊙	10·0	23·0	13·0	11·9		
		8·33·00	8·33·30	+	24·1	25·2	1·1	12·2		
		8·34·00	8·34·30	⊙	8·2	21·5	13·3	12·3		
		8·35·00	8·35·30	+	23·3	24·2	0·9	12·5		
		8·36·00	8·36·30	⊙	9·8	23·4	13·6	—		
	9·33·15	9·30·00	9·30·30	⊙	58·0	70·5	12·5	—	13·8	⊙ clear.
		9·31·00	9·31·30	+	71 5	71·3	- 0·2	13·7		
		9·32·00	9·32·30	⊙	8·2	22·8	14·6	14·2		
		9·33·00	9·33·30	+	26·0	27·0	1·0	13·5		
		9·34·00	9·34·30	⊙	8·0	22·5	14·5	13·8		
		9·35·00	9 35·30	+	24·0	24.5	0·5	14·0		
		9·36·00	9 36·30	⊙	4·5	19·0	14·5	—		
	10·33·15	10·30·00	10·30·30	⊙	24·0	40·0	16·0	—	15·3	⊙ clear.
		10·31·00	10·31·30	+	40·0	40·0	0·0	15·8		
		10·32·00	10·32·30	⊙	17·9	33·5	15·6	15·6		
		10·33·00	10·33·30	+	35·0	35·0	0 0	15·3		
		10·34·00	10·34·30	⊙	10·0	25 0	15·0	14·8		
		10·35·00	10·35·30	+	26·5	27·0	0·5	15·0		
		10·36·00	10·36·30	⊙	13·0	29·0	16·0	—		
	11·33·15	11·30 00	11·30·30	⊙	3·0	19·0	16.0	—	15·6	⊙ clear.
		11·31·00	11.31·30	+	19·0	18·5	- 0·5	15·9		
		11·32·00	11·32·30	⊙	9·9	24·8	14·9	15·3		
		11·33·00	11·33·30	+	25·0	24·7	- 0·3	15·5		
		11·34·00	11·34·30	⊙	7·3	22·9	15·6	15·8		
		11·35·00	11·35·30	+	24·0	23·9	- 0·1	15·5		
		11·36·00	11·36·30	⊙	11.8	27·0	15.2	—		
	12·33·15	12·30·00	12·30·30	⊙	62·5	76·0	13·5	—	15·1	⊙ clear.
		12·31·00	12·31·30	+	76·2	76·0	- 0·2	14 9		
		12·32·00	12·32·30	⊙	7·0	23·0	16·0	15·7		
		12 33·00	12·33·30	+	24·0	24·9	0·9	15·0		
		12·34·00	12 34·30	⊙	–2·0	13·9	15·9	15·0		
		12·35·00	12·35·30	+	15·0	16·0	1·0	15·1		
		12·36·00	12·36·30	⊙	19·7	36·9	17·2	—		
	1·33·15	1·30·00	1·30·30	⊙	8·0	22·5	14·5	—	15·0	⊙ clear.
		1·31·00	1·31 30	+	22·5	22·5	0·0	14·3		
		1·32·00	1 32·30	⊙	13·0	27·0	14·0	14·4		
		1·33·00	1·33·30	+	26·8	26·0	- 0·8	15·4		
		1·34·00	1·34·30	⊙	13.2	28·4	15·2	15·6		
		1·35·00	1·35·30	+	28.5	28·4	- 0·1	15·4		
		1·36·00	1·36·30	⊙	10·7	26·0	15·3	—		
	2·33·15	2·30·00	2·30·30	⊙	6·0	18·8	12·8	—	14·6	⊙ clear.
		2·31·00	2·31·30	+	18·0	16·8	- 1·2	14·2		
		2·32·00	2·32·30	⊙	7·8	21·0	13·2	14·4		
		2·33·00	2·33·30	+	20·0	18·8	- 1.2	14·7		
		2·34·00	2·34·30	⊙	12·2	26·0	13·8	14·8		
		2·35·00	2 35·30	+	25.4	21·6	- 0·8	15·1		
		2·36·00	2·36·30	⊙	13·6	28·4	14·8	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846		Exposure, sun or shade. + ⊙	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal				
	H. M. S.	H. M. S.	H. M. S.							
NOVEMBER 26TH, 1846.	3.33.15	3·30·00	3·30·30	⊙	6·6	18·6	12·0	—	12·5	⊙ clear.
		3·31·00	3·31·30	+	19·0	18·2	– 0·8	12·8		
		3·32·00	3·32·30	⊙	11·0	23·0	12·0	12·5		
		3·33·00	3·33·30	+	24·2	24·0	– 0·2	12·5		
		3·34.00	3·34·30	⊙	9·7	22 2	12·5	12·6		
		3·35·00	3·35·30	+	23·0	23·0	0·0	12·3		
		3·36·00	3·36·30	⊙	9·2	21·4	12·2	—		
	4·33·15	4·30.00	4·30·30	⊙	0·4	8·0	7·6	—	8·3	⊙ clear.
		4·31.00	4·31·30	+	7·0	5·4	– 1·6	8·9		
		4·32·00	4·32·30	⊙	11·4	18·4	7·0	8·7		
		4·33·00	4·33·30	+	18·0	16·2	– 1·8	8·4		
		4,34·00	4·34·30	⊙	22·0	28·2	6·2	7·9		
		4·35·30	4·35·00	+	27·2	25·6	– 1·6	7.6		
		4·36·30	4·36 00	⊙	30·6	36·5	5·9	—		
NOVEMBER 27TH, 1846.	7·33·15	7·30·00	7·30·30	⊙	4·5	14·5	10·0	—	8·8	\ on the ⊙.
		7.31·00	7·31·30	+	17·2	18·2	1·0	9·0		
		7·32·00	7·32·30	⊙	8·2	18·2	10·0	8·6		
		7·33.00	7·33·30	+	19·5	21·2	1·7	8·4		
		7·34·00	7·34·30	⊙	6·4	16·5	10·1	8·7		
		7·35·00	7·35·30	+	19·0	20·0	1·0	9·2		
		7·36·00	7.36 30	⊙	9·2	19·5	10·3	--		
	8·33.15	8·30·00	8 30·30	⊙	6·4	19·6	13·2	—	11·8	\ǀ and fleecy ⌒\ǀ very near the ⊙.
		8.31·00	8.31·30	+	21·5	23·4	1·9	11·4		
		8·32·00	8·32·30	⊙	10·5	24·0	13·5	11·6		
		8·33·00	8·33·30	+	26·2	28·0	1·8	11·9		
		8·34·00	8·34·30	⊙	10·6	24·6	14·0	12·1		
		8·35·00	8·35·30	+	27·0	29·0	2·0	11·9		
		8·36·00	8·36·30	⊙	12·2	26·0	13·8	—		
	9·33·15	9·30·00	9·30·30	⊙	32·0	44·0	12·0	—	10·0	Light fleecy clouds on the ⊙.
		9·31·00	9 31·30	+	45·0	46·0	1·0	9·5		
		9·32·00	9·32·30	⊙	4·0	13·0	9·0	8·0		
		9·33·00	9·33·30	+	15·9	16·9	1·0	9·3		
		9·34·00	9·34.30	⊙	8·3	20·0	11·7	10 7		
		9·35·00	9·35·30	+	22·0	23·0	1·0	11·3		
		9·36·00	9·36·30	⊙	12·0	25·0	13·0	—		
	10·33·15	10·30·00	10·30 30	⊙	9·0	24·8	15·8	—	15 8	\ very near the ⊙.
		10·31.00	10·31·30	+	26·8	27·0	0·2	15·7		
		10·32·00	10·32·30	⊙	9·9	25·9	16·0	15·5		
		10·33.00	10 33·30	+	27·2	28·0	0·8	15·6		
		10·34·00	10·34·30	⊙	5·7	22·5	16·8	16·1		
		10·35·00	10·35·30	+	24·8	25·5	0·7	15·9		
		10 ·36·00	10.36·30	⊙	8·5	25·0	16·5	—		
	11·33·15	11·30·00	11·30·30	⊙	2·0	16·0	14·0	—	16.2	\ǀ very near the ⊙
		11·31·00	11.31·30	+	16·0	15·0	– 1·0	16·0		
		11·32·00	11·32·30	⊙	11·0	27·0	16·0	16·7		
		11·33·00	11·33·30	+	28·0	27·5	– 0·5	16·3		
		11·34·00	11·34·30	⊙	8·9	24·5	15·6	15·7		
		11·35·00	11·35·30	+	28·3	29·0	0·7	16·1		
		11·36·00	11·36·30	⊙	6·9	25·0	18·1	—		
	12·33·15	12·30·00	12·30·30	⊙	3·5	20·0	16·5	—	16·6	Light haze on the ⊙.
		12·31·00	12·31·30	+	23·0	22·0	– 1·0	16·4		
		12·32·00	12·32·30	⊙	14·0	28·3	14·3	15·0		
		12·33.00	12·33·30	+	28·8	28·4	– 0·4	16·5		
		12·34·00	12·34·30	⊙	2·0	20·0	18·0	18·0		
		12·35·00	12·35·30	+	20·0	20·5	0·5	17·1		
		12.36·00	12·36·30	⊙	12·8	30·0	17·2	—		

ACTINOMETER.

Date. Bombay Civil Time.		Time of Observation. Bombay, 1846. Initial.	Time of Observation. Bombay, 1846. Terminal.	Exposure, sun or shade. ⊙ +	Readings. A. Initial.	Readings. B. Terminal.	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
NOVEMBER 27TH, 1846.	1·33·15	1·30 00	1·30·30	⊙	8·0	21·4	13·4	—	16·2	Alike haze over the ⊙.
		1·31·00	1·31·30	+	19·7	18·0	- 1·7	16·1		
		1·32·00	1·32·30	⊙	10·8	26.2	15·4	16·7		
		1·33·00	1·33·30	+	25·6	24·7	- 0·9	16·5		
		1·34·00	1·34·30	⊙	9 8	25·6	15·8	16·3		
		1·35.00	1·35·30	+	24·6	24·6	0·0	15·4		
		1·36·00	1·36·30	⊙	11·0	26·0	15·0	—		
	2.33·15	2·30·00	2·30·30	⊙	14·2	28·6	14.4	—	13·2	⊙ clouded by ∿ and ∿
		2·31·00	2·31·30	+	28·0	27·8	- 0·2	15·1		
		2·32·00	2·32·30	⊙	13·6	29·0	15·4	15·9		
		2·33·00	2·33·30	+	27·6	26·8	- 0·8	14·2		
		2.34·00	2·34·30	⊙	11·4	22.7	11·3	11·9		
		2·35·00	2·35·30	+	22·4	22·0	- 0·4	9·0		
		2·36·00	2.36·30	⊙	7·0	13·0	16·0	—		
	3·33·15	3·30·00	3 30·30	⊙	10·0	21·0	11·0	—	12.4	⊙ a little hazy.
		3·31·00	3·31·30	+	19.0	17·4	- 1·6	12·7		
		3·32·00	3·32·30	⊙	6·8	18·0	11·2	12·3		
		3·33·00	3·33·30	+	17·2	16·6	- 0·6	12·2		
		3·34·00	3·34·30	⊙	10·8	22·8	12·0	12·5		
		3·35·00	3·35·30	+	22·2	21·8	- 0.4	12·3		
		3·36·00	3·36·30	⊙	9·2	21.0	11·8	—		
	4·33·15	4·30·00	4·30·30	⊙	44·6	51·0	6·4	—	8·6	— near the ⊙
		4·31·00	4·31·30	+	50·4	49·0	- 1·4	8·4		
		4·32·00	4·32·30	⊙	1 2	8·8	17·6	9·1		
		4·33·00	4·33·30	+	8·0	6·4	- 1·6	8·7		
		4·34·00	4·34·30	⊙	12·0	18·6	16·6	8·4		
		4·35.00	4·35·30	+	17.6	15·6	- 2·0	8·3		
		4·36·00	4·36·30	⊙	20·7	26·8	6·1	—		
NOVEMBER 29TH, 1846.	7·33·15	7·30·00	7·30·30	⊙	4·4	14·5	10·1	—	9 8	⊙ a little hazy.
		7·31·00	7·31·30	+	17·0	18·0	1·0	9.4		
		7·32·00	7·32·30	⊙	4·5	15·3	10.8	9·5		
		7·33·00	7.33·30	+	17·5	19·0	1·5	10·5		
		7·34·00	7·34·30	⊙	8·3	19·5	11·2	9·9		
		7·35·00	7·35·30	+	21·3	22·3	1·0	9·8		
		7·36·00	7·36·30	⊙	9·5	20 0	10·5	—		
	8·33·15	8·30·00	8·30·30	⊙	7·6	21·0	13·4	—	12·6	⊙ clear.
		8·31·00	8·31·30	+	22·5	23·2	0·7	12·4		
		8·32·00	8·32·30	⊙	7·2	20·0	12·8	12·1		
		8·33·00	8·33·30	+	22·0	22·6	0·6	12·6		
		8·31·00	8·34·30	⊙	8·5	22·2	13·7	13·0		
		8·35·00	8·35·30	+	23·5	24·3	0·8	12·9		
		8·36·00	8·36·30	⊙	7·8	21·5	13·7	—		
	9·33·15	9·30·00	9·30·00	⊙	15·8	28 0	12·2	—	13·4	⊙ clear.
		9·31·00	9·31·30	+	28·9	28·2	- 0·7	14·0		
		9·32·00	9·32·30	⊙	12·8	26·7	13·9	13·8		
		9·33·00	9·33·30	+	26·8	26·9	1·0	13·0		
		9·34·00	9·34.30	⊙	8·9	23·0	14·1	13·1		
		9·35·00	9·35·30	+	25·0	26·0	1·0	13·4		
		9·36·00	9·36·30	⊙	15·0	29·8	14·8	—		
	10·33·15	10.30·00	10·30·30	⊙	0·0	14·5	14·5	—	15·0	⊙ clear.
		10·31·00	10·31·30	+	14·0	15·0	1·0	14·1		
		10·32·00	10·32·30	⊙	29·7	45·5	15·8	14·9		
		10·33·00	10·33·30	+	46·2	47·0	0·8	15·4		
		10·34·00	10·34·30	⊙	1·5	18·2	16·7	15·4		
		10·35·00	10·35·30	+	20·9	22·8	1·9	15·0		
		10·36·00	10·36·30	⊙	7·9	25·0	17·1	—		

ACTINOMETER.

Date. Bombay Civil Time.		Time of Observation. Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M.S.	H. M. S.	H. M. S.							
NOVEMBER 29TH, 1846.	11·33·15	11·30·00	11·30·30	⊙	18·8	33·0	14·2	—	15·2	⊙ clear
		11·31·00	11·31·30	+	34·0	32·9	- 1·1	15·4		
		11·32·00	11·32·30	⊙	10·0	24·5	14·5	15·0		
		11·33·00	11·33·30	+	24·9	25·0	0·1	14·6		
		11·34·00	11·34·30	⊙	36·2	51·0	14·8	14·6		
		11·35·00	11·35·30	+	51·2	51·5	0·3	16·5		
		11·36·00	11·36·30	⊙	10·0	28·8	18·8	—		
	12·33·15	12·30.00	12·30·30	⊙	4·0	19·5	15·5	—	16·8	⊙ clear.
		12·31·00	12·31·30	+	19·4	18·2	- 1·2	16·4		
		12·32·00	12·32.30	⊙	10·0	25·0	15·0	16·0		
		12·23·00	12·33·30	+	24·8	24·0	- 0·8	16·9		
		12·34·00	12·34·30	○	7·8	25·0	17·2	17·6		
		12·35·00	12·35·30	+	25·0	24·9	- 0·1	17·2		
		12·36·00	12·36·30	⊙	10·0	27·0	17·0	—		
	1·33·15	1·30·00	1·30·30	⊙	36·0	48·8	12·8	—	15·4	⊙ clouded by ╲.
		1·31·00	1·31·30	+	46·4	45·0	- 1·4	15·2		
		1·32·00	1·32·30	⊙	6·0	20·8	14·8	15·1		
		1·33·00	1·33·30	+	20·2	21·0	0·8	14·7		
		1·34·00	1·34·30	⊙	13·0	29·2	16·2	16·0		
		1·35·00	1·35·30	+	28·4	28·0	- 0·4	16·2		
		1·36·00	1·36·30	⊙	13·0	28·5	15·5	—		
	2·33·15	2·30·00	2·30·30	⊙	5·0	17·0	12·0	—	13·8	⊙ completely clouded by ╲and ╲_.
		2·31·00	2·31·30	+	15·6	15·0	- 0·6	12·7		
		2·32·00	2.32·30	⊙	12·8	25·0	12·2	13·0		
		2·33·00	2·33·30	+	24·0	23·0	- 1·0	13·9		
		2·34·00	2.34·30	⊙	13·2	26·8	13·6	14·7		
		2·35.00	2·35·30	+	25·0	23·8	- 1·2	14·5		
		2·36·00	2·36·30	⊙	10·8	23·8	13·0	—		
	3·33·15	3·30·00	3·30·30	⊙	7·0	15·5	8·5	—	11·2	⊙ completely clouded by ╲_'
		3·31·00	3·31·30	+	14·0	12·4	- 1·6	10·6		
		3·32·00	3·32·30	⊙	7·0	16·4	9·4	11·3		
		3·33·00	3·33·30	+	15·7	13·5	- 2·2	11·6		
		3·34·00	3·34·30	⊙	13·0	22·5	9·5	11·5		
		3·35·00	3·35·30	+	21·0	19·3	- 1·7	10·8		
		3·36·00	3·36·30	⊙	9·6	18.4	8·8	—		
NOV. 30TH, 1846.	4·33·15	4·30·00	4·30·30	⊙	5·2	13·5	8·3	—	6·4	Fleecy ⌒ very near the ⊙
		4·31·00	4·31·30	+	15·0	17·0	2·0	6·3		
		4·32·00	4·32·30	⊙	1·0	9·0	8·0	6·1		
		4·33·00	4·33·30	+	11·5	13·2	1·7	6·3		
		4·34·00	4·34·30	⊙	20·0	28·0	8·0	6·6		
		4·35·00	4·35·30	+	30·0	31·0	1·0	6·7		
		4·36·00	4·36·30	⊙	37·5	45·0	7·5	—		
DECEMBER 1ST, 1846.	7·33·15	7·30·00	7·30·30	⊙	5·0	14·0	9·0	—	8·7	Fleecy ⌒ very near the ⊙.
		7·31·00	7·31·30	+	16·2	17.0	0·8	8·4		
		7·32.00	7·32·30	⊙	8·0	17·5	9·5	7·9		
		7·33·00	7·33·30	+	18·2	19·6	1·4	8·5		
		7·34·00	7·34·30	⊙	5·2	15·5	10·3	9·1		
		7·35·00	7·35 30	+	17·5	18·5	1·0	9·3		
		7·30·00	7·35·30	⊙	6·5	16·5	10·0	—		
	8·33·15	8·30·00	8·30·30	⊙	8.0	21·0	13·0	—	12·1	⊙ clear.
		8·31·00	8·31·30	+	22·5	24·0	1·5	11·7		
		8·32·00	8·32.30	⊙	9·5	23·0	13·5	12·2		
		8·33·00	8·33.30	+	24·0	25·0	1·0	12·5		
		8·34·00	8·34·30	⊙	10·5	24·0	13·5	12·2		
		8·35·00	8·35·30	+	25·2	26·7	1·5	11·9		
		8·36·00	8·36·30	⊙	8·2	21·6	13·4	—		

ACTINOMETER.

Date. Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun or shade. + ⊙	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	Initial.	Terminal.		A. Initial.	B. Terminal.				
H. M. S.	H. M. S.	H. M. S.							
DECEMBER 1st, 1846. 9·33·15	9·30·00	9·30·30	⊙	1·0	15·8	14·8	—	13·5	⊙ clear.
	9·31·00	9·31·30	+	17·0	18·0	1·0	13·3		
	9·32·00	9·32·30	⊙	6·0	19·8	13·8	13·1		
	9·33·00	9·33·30	+	21·0	21·5	0·5	13·5		
	9·34·00	9·34·30	⊙	14·8	29·0	14·2	13·5		
	9·35·00	9·35·30	+	31·0	32·0	1·0	14·1		
	9·36·00	9·36·30	⊙	2·0	18·0	16·0	—		
10·33·15	10·30·00	10 30·30	⊙	16·0	30·0	14·0	—	15·6	⊙ clear.
	10·31·00	10·31·30	+	30·0	30·0	0·0	14·5		
	10·32·00	10·32·30	⊙	7·5	22·5	15·0	15·0		
	10·33.00	10·33·30	+	23·5	23·6	0·1	15·6		
	10·34·00	10·34·30	⊙	7·0	23·5	16·5	16·4		
	10·35·00	10·35·30	+	24·9	25.1	0·2	16·6		
	10·36·00	10·36·30	⊙	10·9	28·0	17·1	—		
11·33·15	11·30·00	11·30·30	⊙	9·5	22·5	13·0	—	14·7	⊙ clear.
	11·31·00	11·31·30	+	22.8	22·0	0·8	14·2		
	11·32·00	11·32·30	⊙	9·0	22·8	13·8	13·7		
	11·33·00	11·33·30	+	23·3	23·8	0·5	14·4		
	11·34·00	11·34·20	⊙	5·0	21·0	16·0	15·5		
	11·35·00	11·35·30	+	22·2	22·8	0·6	15·9		
	11·36·00	11·36·30	⊙	5·0	22·0	17·0	—		
12·33·15	12·30·00	12·30·30	⊙	4·0	19·0	15·0	—	16·0	⊙ clear.
	12·31·00	12·31·30	+	18·0	18·5	0·5	14·9		
	12·32·00	12·32·30	⊙	7·0	22·9	15·9	15·3		
	12·33·00	12·33·30	+	23·3	24·0	0·7	16·2		
	12·34·00	12·34·30	⊙	13·0	31·0	18·0	17·2		
	12·35·00	12·35·30	+	33·0	33·9	0·9	16·0		
	12·36·00	12·36·30	⊙	8·0	25·0	17·0	—		
1·33·15	1·30·00	1·30·30	⊙	18·0	31·6	13·6	—	15·3	⊙ clear.
	1·31·00	1·31·30	+	32·0	31.6	– 0·4	14·8		
	1·32·00	1·32·30	⊙	14·5	29·7	15·2	15·4		
	1·33·00	1·33·30	+	29·0	29·0	0·0	15·5		
	1·34·00	1·34·30	⊙	19·0	34 8	15·8	15.5		
	1·35·00	1·35 30	+	36·0	36.6	0·6	15·4		
	1·36·00	1·36·30	⊙	16·7	32·8	16·1	—		
2·33·15	2·30·00	2·30 30	⊙	18·0	31·6	13·6	—	14·8	⊙ clear.
	2·31·00	2 31·30	+	29·0	27·2	– 1·8	15·5		
	2·32·00	2·32·30	⊙	10·8	21·6	13·8	14·4		
	2·33·00	2·33·30	+	23·4	21·0	0·6	13·8		
	2·34·00	2·34·30	⊙	11·2	26·2	15.0	14·9		
	2·35·00	2·35·30	+	25·0	24·6	– 0·4	15·6		
	2·36·00	2·36·30	⊙	14·4	29·8	15·4	—		
3·33·15	3·30·00	3·30·30	⊙	7·9	19·6	11·7	—	13·3	⊙ clear.
	3·31·00	3·31·30	+	17·9	15·9	– 2·0	13·5		
	3·32·00	3·32·30	⊙	9·0	20·3	11·3	13·0		
	3·33·00	3·33·30	+	19·0	17·6	– 1.4	13·2		
	3·34·00	3·34·30	⊙	11·4	23·8	12·4	13·6		
	3·35·00	3·35·30	+	23·0	22·1	– 0·9	13·1		
	3·36.00	3·36·30	⊙	11·0	23·0	12·0	—		
4·33·15	4·30·00	4·30·30	⊙	11·0	18·0	7·0	—	9·0	⊙ clear.
	4·31·00	4·31·30	+	16.8	14·4	– 2·4	9·4		
	4·32·00	4·32·30	⊙	20·8	27·8	7·0	9.2		
	4·33·00	4·33·30	+	26·6	24·6	– 2·0	8·9		
	4·31·00	4·34·30	⊙	30·0	36·8	6·8	8·8		
	4·35·00	4·35·30	+	35·6	33·6	– 2·0	8·7		
	4·36·00	4·36.30	⊙	10·4	17·0	6·6	—		

ACTINOMETER.

Date. Bombay Civil Time.		Time of Observation. Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
DECEMBER 2ND, 1846.	7.33·15	7·30·00	7·30·30	⊙	5·0	14·5	9·5	—	8·5	⊙ clear.
		7·31·00	7·31·30	+	16·2	17·5	1·3	8·2		
		7·32·00	7·32·30	⊙	4·4	14·0	9·6	8·4		
		7·33·00	7·33·30	+	15·2	16·2	1·0	8·6		
		7·34·00	7·34·30	⊙	7·6	17·2	9·6	8·5		
		7·35·00	7·35·30	+	18·5	19·6	1·1	8·5		
		7·36·00	7·36·30	⊙	8·2	17·8	9·6	—		
	8·33 15	8.30·00	8·30·30	⊙	12·3	24·4	12·1	—	11·8	⊙ clear.
		8·31·00	8·31·30	+	25·2	26·2	1·0	11·2		
		8 32.00	8·32·30	⊙	7·6	20·0	12·4	11·5		
		8·33·00	8·33·30	+	21·3	22·0	0·7	12·1		
		8·34·00	8·34·30	⊙	8·0	21·0	13·0	12·1		
		8·35·00	8·35·30	+	22·0	23·0	1·0	12·2		
		8·36·00	8·36·30	⊙	10·2	23·2	13·2	—		
	9·33·15	9·30·00	9·30·30	⊙	9·0	22·0	13·0	—	13·1	⊙ clear.
		9·31·00	9·31·30	+	22·0	23·0	1·0	13·0		
		9·32·00	9·32·30	⊙	14·0	29·0	15·0	14·1		
		9·33·00	9·33·30	+	31.0	31·8	0·8	13·4		
		9·34·00	9·34·30	⊙	14·0	27·5	13·5	12·2		
		9·35·00	9·35·30	+	29·2	31.0	1·8	12 7		
		9·36·00	9·36·30	⊙	11·5	27·0	15·5	—		
	10·33·15	10·30·00	10·30·30	⊙	32·0	45·5	13·5	—	15·3	⊙ clear.
		10·31·00	10·31·30	+	46·0	45·8	– 0·2	14·7		
		10·32·00	10·32·30	⊙	18·0	33·5	15·5	15·5		
		10·33·00	10·33·30	+	35·0	35·2	0·2	15·5		
		10·34·00	10·34·30	⊙	5·0	21·5	16·0	15·5		
		10·35·00	10·35·30	+	23·2	24·0	0·8	15·2		
		10·36·00	10·36·30	⊙	11·0	27·0	16·0	—		
	11·33·15	11·30 00	11·30·30	⊙	8·8	20·5	11·7	—	15·5	⊙ clear.
		11·31·00	11.31·30	+	20·2	19·0	– 1·2	15·1		
		11·32·00	11·32·30	⊙	3·8	20·0	16·2	16·3		
		11·33·00	11·33·30	+	21·0	22·0	1·0	15·0		
		11·34·00	11·34·30	⊙	21·0	36·8	15·8	15·2		
		11·35·00	11·35·30	+	35·8	36·0	0·2	15·9		
		11·36·00	11·36·30	⊙	11·0	27·5	16·5	—		
	12·33·15	12·30·00	12·30·30	⊙	2·5	17·0	14·5	—	15·8	⊙ clear.
		12·31·00	12·31·30	+	17·0	16·6	– 0·4	14·6		
		12·32·00	12·32·30	⊙	2·0	16·0	14·0	14·7		
		12 33·00	12·33·30	+	17·0	16·0	– 1·0	16·2		
		12·34·00	12 34·30	⊙	11·0	27·5	16·5	17·0		
		12·35·00	12·35·30	+	28·5	28·5	0·0	16·4		
		12·36·00	12·36·30	⊙	5·7	22 0	16·3	—		
	1·33·15	1·30·00	1·30·30	⊙	6·4	20·8	14·4	—	15·0	⊙ clear.
		1·31·00	1·31 30	+	20·6	20·2	– 0·4	15·3		
		1·32·00	1 32·30	⊙	13·0	28·4	15·4	15.5		
		1·33·00	1·33·30	+	29·4	29·6	0·2	15·0		
		1·34·00	1·34·30	⊙	13·4	28·4	15·0	14·5		
		1·35·00	1·35·30	+	28·6	29·4	0·8	14·7		
		1·36·00	1·36·30	⊙	14·6	30·6	16·0	—		
	2·33·15	2·30·00	2·30·30	⊙	4·4	18·0	13·6	—	14·4	⊙ clear.
		2·31·00	2·31·30	+	16·8	16·1	– 0·7	14·5		
		2·32·00	2·32·30	⊙	12·0	26·0	14·0	14·3		
		2·33·00	2·33·30	+	25·4	25·6	0·2	14·0		
		2·34·00	2·34·30	⊙	13·4	27·8	14·4	14·4		
		2·35·00	2·35·30	+	27·4	27 2	– 0·2	15·0		
		2·36·00	2·36·30	⊙	15·8	31·0	15·2	—		

ACTINOMETER.

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		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
DECEMBER 2ND, 1846.	3·33·15	3·30·00	3·30·30	⊙	1·8	13·6	11·8	—	12·6	⊙ clear.
		3·31·00	3·31·30	+	14·0	13·2	- 0·8	12·6		
		3·32·00	3·32·30	⊙	8·8	20·6	11·8	12·6		
		3·33·00	3·33·30	+	20·8	20·0	- 0·8	12·8		
		3·34·00	3·34·30	⊙	2·8	15·0	12.2	12·6		
		3·35·00	3·35.30	+	15·6	15·6	0·0	12·5		
		3·36.00	3·36·30	⊙	12·8	25·6	12·8	—		
	4·33·15	4·30·00	4·30·30	⊙	17·0	24·0	7·0	—	8·1	⊙ clear.
		4·31·00	4·31·30	+	23·8	22 8	- 1·0	7·8		
		4·32·00	4·32·30	⊙	28·6	35·2	6·6	7·8		
		4·33·00	4·33·30	+	33·9	32·4	- 1·5	8.2		
		4·34·00	4·34·30	⊙	15 0	21·8	6·8	8·4		
		4·35·00	4·35·30	+	20·0	18·3	- 1·7	8 1		
		4·36·00	4·36·30	⊙	25·0	31·0	6·0	—		
DECEMBER 3RD, 1846.	7·33·15	7·30·00	7·30·30	⊙	3·2	12·2	9·0	—	8·4	Slight mist on the ⊙.
		7·31·00	7·31·30	+	14·2	15·0	0·8	8·3		
		7·32·00	7·32·30	⊙	5·2	14·4	9·2	8·3		
		7·33·00	7·33·30	+	16·2	17·2	1·0	8·1		
		7·34·00	7·34·30	⊙	7·1	16·2	9·1	8·3		
		7·35·00	7·35·30	+	17·9	18·4	0·5	8·7		
		7·36·00	7·36·30	⊙	6·6	16·0	9·4	—		
	8·33·15	8·30·00	8·30·30	⊙	7·5	19·0	11·5	—	11.1	⊙ a little hazy.
		8·31·00	8·31·30	+	20·2	21·8	1·6	10·6		
		8·32·00	8·32·30	⊙	3·5	16·5	13·0	11·3		
		8·33·00	8·33·30	+	18·5	20·2	1·7	12·0		
		8·34·00	8·34·30	⊙	11·2	23·5	12·3	10·5		
		8·35·00	8·35·30	+	25·0	26·8	1·8	10·8		
		8·36·00	8·36·30	⊙	8·5	21·5	13·0	—		
	9·33·15	9·30·00	9·30·30	⊙	15·5	31·0	15·5	—	13·8	⊙ clear.
		9·31·00	9·31·30	+	31·5	32·0	0·5	14·2		
		9·32·00	9·32·30	⊙	3·0	17·0	14·0	14·3		
		9 33·00	9·33·30	+	22·0	23·0	1·0	13·3		
		9·34·00	9·34·30	⊙	13·0	27·7	14·7	13·6		
		9·35·00	9·35·30	+	28·6	29·8	1·2	13·6		
		9·36·00	9·36 30	⊙	11·0	26·0	15·0	—		
	10·33·15	10·30·00	01·30·30	⊙	6·0	20·9	14·9	—	15·5	⊙ clear.
		10·31·00	10 31·30	+	21·0	21·0	0·0	14·6		
		10·32·00	10·32·30	⊙	23 5	37·8	14·3	14·3		
		10·33·00	10·33·30	+	39·0	39·0	0·0	15·3		
		10·34·00	10·34·30	⊙	9·7	26·0	16·3	16·4		
		10·35·00	10·35·30	+	26·5	26·2	- 0·3	16·7		
		10·36·00	10·36·30	⊙	7·5	24·0	16·5	—		
	11·33·15	11·30 00	11·30·30	⊙	8·0	22·0	14·0	—	15·4	⊙ clear.
		11·31·00	11·31·30	+	22·5	22·0	- 0·5	15·1		
		11·32·00	11·32·30	⊙	10·7	26·0	15·3	15·5		
		11·33·00	11·33·30	+	27·0	27·0	0·0	15·6		
		11·34·00	11.34·30	⊙	7·0	22·9	15·9	15·5		
		11·35·00	11·35·30	+	24·5	25·3	0·8	15·3		
		11·36·00	11·36·30	⊙	9.7	26·0	16·3	—		
	12·33·15	12·30·00	12·30·30	⊙	2·9	19·0	16·1	—	15·0	⊙ clear
		12·31·00	12.31·30	+	22·0	23·0	1·0	15·1		
		12·32·00	12·32·30	⊙	11·2	27·4	16·2	15·3		
		12·33·00	12·33·30	+	29·0	29·9	0·9	15·2		
		12·34·00	12·34·30	⊙	15·0	31·0	16·0	14·6		
		12·35·00	12·35·30	+	32·0	33·9	1·9	14·6		
		12·36·00	12·36·30	⊙	12·0	29·0	17·0	—		

ACTINOMETER.

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		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
DECEMBER 3RD, 1846.	1·33·15	1·30·00	1·30·30	⊙	21·4	36·4	15·0	—	15·0	⊙ clear.
		1·31·00	1·31·30	+	35·8	35·8	0·0	14·8		
		1·32·00	1·32·30	⊙	12·0	26·6	14·6	14·3		
		1·33·00	1·33·30	+	26·8	27·4	0·6	14·7		
		1·34·00	1·34·30	⊙	9·8	25·8	16·0	15·4		
		1·35·00	1·35·30	+	27·8	28·4	0·6	15·8		
		1·36·00	1·36·30	⊙	14·0	30·8	16·8	—		
	2·33·15	2·30·00	2·30·30	⊙	13·0	26·0	13·0	—	14·9	⊙ clear.
		2·31·00	2·31·30	+	25·0	23·6	- 1·4	15·3		
		2·32·00	2·32.30	⊙	12·0	26·8	14·8	15·7		
		2·33·00	2·33·30	+	27·2	26·8	- 0·4	14·8		
		2·34·00	2·34·30	⊙	10·6	24·6	14·0	14·2		
		2·35.00	2.35·30	+	24.0	24·0	0·0	14·3		
		2·36·00	2·36·30	⊙	11·0	25·6	14·6	—		
	3·33·15	3·30·00	3·30·30	⊙	29.4	40·0	10·6	—	12·1	⊙ clear.
		3·31·00	3·31·30	+	40·2	39·7	- 0·5	11·8		
		3·32·00	3·32·30	⊙	9·0	21·0	12·0	12·4		
		3·33·00	3·33·30	+	21·4	21·0	- 0·4	12.3		
		3·34·00	3·34·30	⊙	10·8	22·6	11·8	12·1		
		3·35·00	3·35·30	+	23·0	22·8	- 0·2	12 0		
		3·36·00	3·36·30	⊙	11·4	23 2	11·8	—		
	4·33·15	4·30·00	4·30·30	⊙	1.8	8·4	6·6	—	8·0	⊙ clear.
		4·31·00	4·31·30	+	8·0	6·4	- 1·6	8·2		
		4·32·00	4·32·30	⊙	11·8	18·4	6·6	8·2		
		4·33·00	4·33·30	+	18·2	16·6	- 1·5	8·0		
		4·34·00	4·34·30	⊙	22·0	28·2	6·2	7·8		
		4·35·00	4·35·30	+	27·6	26·1	- 1·5	7·7		
		4·36·00	4·36·30	⊙	31·0	37·3	6·3	—		
DECEMBER 4TH, 1846.	7·33·15	7·30·00	7·30·30	⊙	7·5	16·4	8·9	—	8·1	Thick mist on the ⊙
		7·31·00	7·31·30	+	18·0	19·0	1·0	7·7		
		7·32·00	7·32·30	⊙	5·4	14·0	8·6	7·7		
		7·33.00	7·33·30	+	15·2	16·0	0·8	8·1		
		7·34·00	7·34·30	⊙	- 0·5	8·8	9·3	8·4		
		7·35·00	7·35·30	+	10·0	11·0	1·0	8·3		
		7·36·00	7·36·30	⊙	4·2	13.2	9·0	—		
	8·33·15	8·30·00	8·30·30	⊙	11·1	23·6	12·5	—	11·1	⊙ clear.
		8·31·00	8·31·30	+	25·2	27·0	1·8	10·7		
		8·32·00	8·32·30	⊙	5·0	17·5	12·5	10·7		
		8·33·00	8·33·30	+	19 3	21·0	1·7	11·0		
		8·34·00	8·34·30	⊙	9·5	22·5	13·0	11·4		
		8·35·00	8·35·30	+	23·6	25·0	1·4	11·7		
		8·36·00	8·36·30	⊙	12·0	25·2	13·2	—		
	9·33.15	9·30·00	9·30·30	⊙	7·0	21·5	14·5	—	13·9	⊙ clear.
		9·31·00	9·31·30	+	23·9	24·9	1·0	13·7		
		9·32·00	9·32·30	⊙	8·0	23·0	15·0	14·3		
		9·33·00	9·33·30	+	25·9	26·3	0·4	14·5		
		9·34·00	9·34·30	⊙	10·2	25·0	14·8	13·9		
		9·35·00	9·35·30	+	26·2	27·6	1·4	13·1		
		9·36.00	9·36·30	⊙	11·8	26·0	14·2	—		
	10·33·15	10·30·00	10·30·30	⊙	9·6	24·5	14·9	—	13·8	⊙ clear.
		10·31·00	10·31·30	+	25·8	26·8	1·0	14·0		
		10·32·00	10·32·30	⊙	9·8	25·0	15·2	13·9		
		10·33·00	10·33·30	+	26·0	27·7	1·7	13·4		
		10·34·00	10·34·30	⊙	6·0	21·0	15·0	13·4		
		10·35·00	10·35·30	+	22·5	24·0	1·5	14·1		
		10·36·00	10·36·30	⊙	12·8	29·0	16·2	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
DECEMBER 4TH, 1846.	11·33·15	11·30 00	11·30·30	⊙	29·5	43·5	14·0	—	15·9	⊙ clear.
		11·31·00	11·31·30	+	44·8	43·5	- 1·3	15·8		
		11·32·00	11·32·30	⊙	5·0	20·0	15·0	15·6		
		11·33·00	11·33·30	+	20·8	20·8	0·0	15·5		
		11·34·00	11·34·30	⊙	2·0	18·0	16·0	16·0		
		11.35.00	11·35·30	+	20·0	20·0	0·0	16·5		
		11·36·00	11·36·30	⊙	11·0	28·0	17·0	—		
	12.33·15	12·30·00	12·30·30	⊙	19·0	33·0	14·0	—	15·9	⊙ clear.
		12·31·00	12·31·30	+	32·5	30·9	- 1·6	16·1		
		12·32·00	12·32·30	⊙	13·9	29.0	15·1	16·0		
		12·33·00	12·33·30	+	29·0	28·8	- 0·2	15·5		
		12.34·00	12·34·30	⊙	10·4	26·0	15·6	15 8		
		12·35·00	12·35·30	+	26·3	26·0	- 0·3	15·9		
		12·36·00	12.36·30	⊙	9·8	25·5	15·7	—		
	1·33·15	1·30·00	1·30·30	⊙	6·0	19·6	13·6	—	14.7	⊙ clear.
		1·31·00	1·31·30	+	20·0	18·8	- 1·2	14·9		
		1·32·00	1·32·30	⊙	11·8	25·6	13·8	14·5		
		1·33·00	1·33·30	+	25·2	25·0	- 0·2	14.5		
		1·34·00	1·34·30	⊙	15·0	29·8	14·8	14·8		
		1·35·00	1·25·30	+	30·0	30·2	0·2	14·8		
		1·36·00	1·36·30	⊙	15·0	30·2	15·2	—		
	2·33·15	2·30·00	2·30·30	⊙	5·6	18·4	12·8	—	14·8	⊙ clear.
		2·31·00	2·31·30	+	18·1	17·1	- 1·0	14·6		
		2·32·00	2·32·30	⊙	14·6	29·0	14·4	15·0		
		2·33·00	2·33·30	+	29·0	28·8	- 0·2	14·6		
		2·34·00	2·34·30	⊙	6·6	21·0	14·4	14·7		
		2·35.00	2·35·30	+	22·0	21·6	- 0·4	15·1		
		2·36·00	2·36·30	⊙	9·4	24·4	15·0	—		
	3·33·15	3·30·00	3·30·30	⊙	9·0	21·0	12·0	—	13·2	⊙ clear.
		3·31·00	3·31·30	+	20 0	18·8	- 1·2	13·2		
		3·32·00	3·32·30	⊙	15·8	27·8	12·0	13·1		
		3·33·00	3.33·30	+	27·6	26·6	- 1·0	13·1		
		3·34·00	3·34·30	⊙	13·8	26·0	12·2	13·2		
		3·35·00	3·35·30	+	26·0	25·0	- 1·0	13·3		
		3·36·00	3·36·30	⊙	13·0	25.4	12·4	—		
	4·33·15	4·30·00	4·30·30	⊙	6·0	13·4	7·4	—	8·4	⊙ clouded by Ni.
		4·31·00	4·31·30	+	12·6	10·8	- 1·8	8 9		
		4·32·00	4·32·30	⊙	17·2	24.0	6·8	8.7		
		4·33·00	4·33·30	+	23·0	21·0	- 2·0	8·4		
		4·34·00	4·34·30	○	26·8	32·8	6·0	8·0		
		4·35·00	4·35·30	+	31·1	29·1	- 2·0	7·9		
		4·36·00	4·36·30	⊙	33·8	39·6	5·8	—		
DECEMBER 5TH, 1846.	7·33·15	7·30·00	7·30·00	⊙	8·3	17·8	9·5	—	7·9	\ on the ⊙.
		7·31·00	7·31·30	+	20·0	21·2	1·2	8·0		
		7·32·00	7·32·30	⊙	- 3·0	6·0	9·0	7·6		
		7·33·00	7·33·30	+	7·0	8·5	1·5	7·5		
		7·34·00	7·34.30	⊙	4·0	13·0	9·0	7·7		
		7·35·00	7·35·30	+	14·4	15·5	1·1	8·5		
		7·36·00	7·36·30	⊙	6·0	16·2	10·2	—		
	8·33·15	8.30·00	8·30·30	⊙	7·2	21·2	14·0	—	13·5	Fleecy ⌒ near the ⊙
		8·31·00	8·31·30	+	23·2	24·5	1·3	13·2		
		8·32·00	8·32·30	⊙	9·5	24·0	14.5	13·2		
		8·33·00	8·33·30	+	25·0	26·3	1·3	13·4		
		8·34·00	8·34·30	⊙	9·6	24·5	14·9	13·7		
		8·35·00	8·35·30	+	27·0	28·0	1·9	14·1		
		8·36·00	8·36·30	⊙	24·5	39·8	15·3	—		

ACTINOMETER.

Date. Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun ⊙ or shade +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	Initial.	Terminal.		A. Initial.	B. Terminal.				
H. M. S.	H. M. S.	H. M. S.							
DECEMBER 5TH, 1846. 9.33.15	9·30·00	9·30·30	⊙	4·5	18·8	14·3	—	13·8	Light fleecy clouds on the ⊙.
	9·31·00	9·31·30	+	19·9	19·9	0·0	13·7		
	9·32·00	9·32·30	⊙	6·9	20·1	13·2	13·2		
	9·33·00	9·33·30	+	21.7	21·7	0·0	13·9		
	9·34.00	9·34·30	⊙	2·2	16·9	14·7	15·5		
	9·35·00	9 35·30	+	18·0	18·5	0·5	13·9		
	9·36·00	9·36·30	⊙	10·9	25·0	14·1	—		
10·33·15	10·30.00	10·30·30	⊙	33·0	47·2	14·2	—	15·0	Light fleecy clouds on the ⊙.
	10·31.00	10·31·30	+	47·5	47·0	-0·5	15·3		
	10·32·00	10·32·30	⊙	11·0	26·5	15·5	15·7		
	10·33·00	10·33·30	+	28·0	28·0	0·0	14·8		
	10.34·00	10·34·30	⊙	15·8	30·0	14·2	14·2		
	10·35·30	10·35·00	+	32·0	32·0	0·0	15·1		
	10·36·30	10·36 00	⊙	6·0	22·0	16·0	—		
11·33·15	11·30·00	11·30·30	⊙	4·0	21·8	17·8	—	15·3	⊙ clear.
	11.31·00	11·31·30	+	22·0	22·5	0·5	16·9		
	11·32·00	11·32·30	⊙	5·0	22·0	17·0	16·0		
	11·33.00	11·33·30	+	22·3	23·9	1·6	14·6		
	11·34·00	11·34·30	⊙	11·8	27·2	15·4	14·1		
	11·35·00	11·35·30	+	28·0	29·0	1 0	15·0		
	11·36·00	11.36·30	⊙	6·3	23·0	16·7	--		
12·33.15	12·30·00	12 30·30	⊙	7·9	22·0	14·1	—	15·8	⊙ clear.
	12.31·00	12.31·30	+	22·0	21·0	-1·0	16·1		
	12·32·00	12·32·30	⊙	0·0	16·0	16·0	16·1		
	12·33·00	12·33·30	+	16·2	17·0	0·8	15·1		
	12·34·00	12·34·30	⊙	9·6	25·5	15·9	15·4		
	12·35·00	12·35·30	+	25·3	25·5	0·2	16·2		
	12·36·00	12·36·30	⊙	10·0	27·0	17·0	—		
1·33·15	1·30·00	1·30·30	⊙	6·0	21 2	15·2	—	15·6	⊙ clear.
	1·31·00	1·31·30	+	20 0	19·4	-0·6	16·1		
	1·32·00	1·32·30	⊙	13·2	29·0	15·8	15·7		
	1·33·00	1·33·30	+	29·6	30·4	0·8	15·4		
	1·34·00	1·34.30	⊙	14·8	31·4	16·6	15·7		
	1·35·00	1·35·30	+	32·2	33·2	1·0	15·3		
	1·36·00	1·36·30	⊙	16·0	32·0	16·0	—		
2·33·15	2·30·00	2·30·30	⊙	9·6	23·4	13·8	—	15·4	⊙ clear.
	2·31.00	2·31·30	+	23·4	22·6	-0·8	14·9		
	2·32·00	2·32·30	⊙	12·8	27·2	14·4	15·1		
	2·33.00	2·33·30	+	26·6	25·9	-0·7	15·8		
	2·34·00	2·34·30	⊙	14·5	30·2	15·7	15·9		
	2·35·00	2·35·30	+	31·2	31·4	0·2	15·4		
	2 ·36·00	2.36·30	⊙	7·5	22·9	15·4	—		
3·33·15	3·30·00	3·30·30	⊙	8·8	21·4	12·6	—	12.9	⊙ clear.
	3·31·00	3.31·30	+	20·4	19·2	-1·2	13·1		
	3·32·00	3·32·30	⊙	13·8	25·0	11·2	12·6		
	3·33·00	3·33·30	+	24·8	23·2	-1·6	13·1		
	3·34·00	3·34·30	⊙	7·7	19.5	11·8	13·0		
	3·35·00	3·35·30	+	20·8	20·0	-0·8	12·5		
	3·36·00	3·36·30	⊙	10·0	21·6	11·6	—		
DEC. 6TH, 1846. 4·33·15	4·30·00	4·30·30	⊙	24·5	33·0	8·5	—	7·0	⊙ a little hazy.
	4·31·00	4·31·30	+	35·0	35·8	0·8	7·1		
	4·32·00	4·32·30	⊙	43·5	51.3	7·8	6·9		
	4·33.00	4·33·30	+	53·5	54·5	1·0	7·1		
	4·34·00	4·34·30	⊙	4·0	12·5	8·5	7·3		
	4·35·00	4·35·30	+	14·0	15·4	1·4	6·7		
	4.36·00	4·36·30	⊙	22·5	30·2	7·7	—		

ACTINOMETER.

Date. Bombay Civil Time.		Time of Observation. Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
DECEMBER 7TH, 1846.	7·33·15	7·30·00	7·30·30	⊙	9·2	18·2	9·0	—	8·7	⊙ a little hazy.
		7·31·00	7·31·30	+	19·8	20·5	0·7	8·5		
		7·32·00	7·32·30	⊙	7·0	16·4	9·4	8·6		
		7·33·00	7·33·30	+	17.0	17·5	0·5	8·8		
		7·34·00	7·34·30	⊙	8·3	17·5	9·2	8·7		
		7·35·00	7·35·30	+	18·7	19·2	0·5	9·1		
		7·36·00	7·36·30	⊙	8·2	18·2	10.0	—		
	8·33·15	8·30·00	8·30·30	⊙	14·5	26·8	12·3	—	11·8	⊙ clear.
		8·31·00	8·31·30	+	28·0	29·0	1·0	11·5		
		8.32·00	8·32·30	⊙	9·2	22·0	12·8	11·6		
		8·33·00	8·33·30	+	23·4	24·8	1·4	11·6		
		8·34·00	8·34·30	⊙	8·0	21·2	13·3	11·8		
		8·35·00	8·35·30	+	23·0	24·3	1·3	11·9		
		8·36·00	8·36·30	⊙	12·2	25·4	13·2	—		
	9·33·15	9·30·00	9·30·30	⊙	16·0	30·9	14·9	—	13·9	⊙ clear.
		9·31·00	9·31·30	+	32·2	33·4	1·2	13·8		
		9·32·00	9·32·30	⊙	12·8	27·9	15·1	13·9		
		9·33·00	9·33·30	+	30·8	32·0	1·2	13·7		
		9·34·00	9·34·30	⊙	12·8	27·5	14·7	13·8		
		9·35·00	9·35·30	+	29·9	30·5	0·6	14·1		
		9·36·00	9·36·30	⊙	12·2	27·0	14·8	—		
	10·33·15	10·30.00	10·30·30	⊙	6·0	19 0	13·0	—	14·2	⊙ clear.
		10·31·00	10·31·30	+	19 0	19·0	0·0	13·4		
		10·32·00	10·32·30	⊙	9·9	23·8	13·9	13·7		
		10·33·00	10·33·30	+	24·3	24·8	0·5	14·0		
		10·34·00	10·34·30	⊙	8·9	14·0	15·1	14·7		
		10·35·00	10.35·30	+	25·0	25·3	0·3	15·0		
		10·36·00	10·36·30	⊙	7·5	23·0	15·5	—		
	11·33·15	11·30·00	11·30·30	⊙	28·0	44·3	16·3	—	15·6	⊙ clear.
		11·31·00	11·31·30	+	47·9	49·0	1·1	16·0		
		11·32·00	11·32·30	⊙	13·0	31·0	18·0	16·5		
		11·33·00	11·33·30	+	33·0	35·0	2·0	15·4		
		11·34·00	11·34·30	⊙	14·0	30·9	16·9	15·4		
		11·35·00	11·35·30	+	32·5	33·5	1·0	14·8		
		11·36·00	11·36·30	⊙	16·8	31·5	14·7	—		
	12·33·15	12·30·00	12·30·30	⊙	4·5	20·0	15·5	—	15·6	⊙ clear.
		12·31·00	12·31·30	+	20·0	19·7	- 0·3	16·1		
		12·32·00	12·32·30	⊙	7·9	24·0	16·1	15·8		
		12·33·00	12·33·30	+	24·0	25·0	1·0	14·7		
		12·34.09	12·34·30	⊙	14·7	30·0	15·3	14·9		
		12·35·00	12·35·30	+	31·0	30·9	- 0·1	16·3		
		12·36·00	12·36·30	⊙	11·0	28·2	17·2	—		
	1·33·15	1·30·00	1·30·30	⊙	11·0	26·0	15·0	—	15·6	⊙ clear.
		1·31·00	1·31·30	+	27·4	27·0	- 0·4	15·8		
		1·32·00	1·32·30	⊙	12·2	28·0	15·8	16·2		
		1·33·00	1·33·30	+	27·6	27·2	- 0·4	15·9		
		1·34·00	1·34·30	⊙	11·8	27·0	15·2	15·1		
		1·35·00	1·35·30	+	28 4	29·0	0·6	15·2		
		1·36·00	1·36·30	⊙	15·0	31·4	16·4	—		
	2·33·15	2·30·00	2·30·30	⊙	10·0	24·4	14·4	—	14·4	⊙ clear.
		2·31·00	2·31·30	+	23·8	23·6	- 0·2	14·5		
		2·32·00	2·32·30	⊙	14·8	29·0	14·2	14·2		
		2·33·00	2·33·30	+	30·0	30·2	0·2	14·0		
		2·34·00	2·34·30	⊙	14·0	28·2	14·2	14·4		
		2·35.00	2·35·30	+	23·4	27·8	- 0·6	15·0		
		2·36·00	2·36·30	⊙	15·0	29·6	14·6	—		

ACTINOMETER.

Date. Bombay Civil Time.		Time of Observation. Bombay, 1846.		Exposure, sun or shade ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
DECEMBER 7TH, 1846.	3·33·15	3·30·00	3·30·30	⊙	30·2	42·4	12·2	—	13·5	⊙ clear.
		3·31·00	3·31·30	+	44·0	43·0	- 1.0	13·3		
		3·32·00	3·32·30	⊙	11·6	24·0	12·4	13·4		
		3·33·00	3·33·30	+	22·8	21·9	- 0·9	13·3		
		3·34·00	3·34·30	⊙	11·6	24·0	12·4	13·6		
		3·35·00	3·35.30	+	19·8	18·2	- 1·6	14·1		
		3·36.00	3·36·30	⊙	12·0	24·6	12·6	—		
	4 33·15	4·30·00	4·30·30	⊙	10·0	17·6	7·6	—	9·1	⊙ clear.
		4·31·00	4·31·30	+	16·8	15·0	- 1·8	9·1		
		4·32·00	4·32·30	⊙	20·8	27·8	7·0	8·9		
		4·33·00	4·33·30	+	26·6	24·6	- 2·0	9·0		
		4·34·00	4·34·30	⊙	8·0	15·0	7·0	9·1		
		4·35·00	4·35·30	+	14·0	11·8	- 2·2	9·2		
		4·36·00	4·36·30	⊙	18·0	25·0	7·0	—		
DECEMBER 8TH, 1846.	7·33·15	7 30·00	7·30·30	⊙	24·0	35·0	11·0	—	8·9	⊙ clear.
		7·31·00	7·31·30	+	37·0	39·0	2·0	8·5		
		7·32·00	7·32·30	⊙	7.4	17·5	10·1	8·7		
		7·33·00	7·33·30	+	19·2	20·6	0·8	9·2		
		7·34·00	7·34·30	⊙	6·5	16·5	10·0	9·1		
		7·35·00	7·35·30	+	18·2	19·2	1·0	9·1		
		7·36·00	7·36·30	⊙	9·5	19·8	10·3	—		
	8·33·15	8·30·00	8·30·30	⊙	7·5	20·2	12·7	—	12.2	⊙ clear.
		8·31·00	8·31·30	+	21·0	21.8	0·8	11·9		
		8·32·00	8·32·30	⊙	11·4	24·2	12.8	12·2		
		8·33·00	8·33·30	+	25·1	25·5	0·4	12·4		
		8·34·00	8·34·30	⊙	12·3	25·2	12·9	12·3		
		8·35·00	8·35·30	+	26·0	26·8	0·8	12·3		
		8·36·00	8·36·30	⊙	9·8	23·2	13·4	—		
	9·33·15	9·30·00	9·30·30	⊙	3·5	19·8	16·3	—	13·8	
		9·31·00	9·31·30	+	26·0	28·0	2·0	14·6		Light fleecy clouds on the ⊙.
		9·32·00	9·32·30	⊙	9·0	24·0	15·0	13·0		
		9 33·00	9·33·30	+	29·0	31·0	2·0	13·5		
		9·34·00	9·34·30	⊙	13·0	29·0	16·0	14·1		
		9·35·00	9·35·30	+	32·0	33·9	1·9	14·0		
		9·36·00	9·36 30	⊙	3·0	18·8	15.8	—		
	10·33·15	10·30·00	01·30·30	⊙	2·0	18·5	16·5	—	14·9	Comoid (\ proper) on the ⊙.
		10·31·00	10·31·30	+	21·2	23·0	1·8	15·0		
		10·32·00	10·32·30	⊙	7·3	24·5	17·2	15·3		
		10·33·00	10·33·30	+	28·0	30·0	2·0	15·0		
		10·34·00	10·34·30	⊙	7·7	24·5	16·8	14·7		
		10·35·00	10·35·30	+	27·7	30·0	2·3	14·4		
		10·36·00	10·36·30	⊙	14·8	31·5	16·7	—		
	11·33·15	11·30 00	11·30·30	⊙	35·0	52·9	17·9	—	16·0	⊙ clear.
		11·31·00	11·31·30	+	57·0	59·0	2·0	16·4		
		11·32·00	11·32·30	⊙	13·0	32·0	19·0	16·6		
		11·33·00	11·33·30	+	35·0	37·9	2·9	15·7		
		11·34·00	11.34·30	⊙	15·7	34·0	18·3	15·5		
		11·35·00	11·35·30	+	38·0	40·8	2·8	16·0		
		11·36·00	11·36·30	⊙	11·9	31·3	19·4	—		
	12·33·15	12·30·00	12·30·30	⊙	3·9	20·0	16·1	—	16·5	\ on the ⊙.
		12·31·00	12.31·30	+	21·2	22·0	0·8	16·2		
		12·32·00	12·32·30	⊙	2·0	20·0	18·0	17·0		
		12·33·00	12·33·30	+	22·0	23·3	1·3	16·3		
		12·34·00	12·34·30	⊙	12·8	30·0	17·2	16·2		
		12·35·00	12·35·30	+	32·5	33·3	0·8	16·7		
		12·36·00	12·36·30	⊙	6·1	24·0	17·9	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
DECEMBER 8TH, 1846.	1·33·15	1·30·00	1·30·30	⊙	15·0	29·6	14·6	—	15·1	\ near the ⊙.
		1·31·00	1·31·30	+	30·2	30·2	0·0	14·8		
		1·32·00	1·32·30	⊙	10·2	25·2	15·0	14·9		
		1·33·00	1·33·30	+	26·2	26·4	0·2	15·2		
		1·34·00	1·34·30	⊙	16·8	32·6	15·8	15·3		
		1·35·00	1·35·30	+	34·3	35·1	0·8	15·3		
		1·36·00	1·36·30	⊙	16·6	33·0	16·4	—		
	2·33·15	2·30·00	2·30·30	⊙	11·0	26·8	15·8	—	14·9	⊙ a little hazy. \ near the ⊙.
		2·31·00	2·31·30	+	28·8	29·2	0·4	15·5		
		2·32·00	2·32.30	⊙	12·4	28·4	16·0	15·4		
		2·33·00	2·33·30	+	29·8	30·6	0·8	14·7		
		2·34·00	2·34·30	⊙	13·0	28·0	15·0	14·3		
		2·35.00	2.35·30	+	29·4	30·0	0·6	14·7		
		2·36·00	2·36·30	⊙	13·8	29·4	15·6	—		
	3·33·15	3·30·00	3·30·30	⊙	10·0	22·2	12·2	—	12·7	⊙ clouded by \.
		3·31·00	3·31·30	+	22·4	22.2	- 0·2	12·6		
		3·32·00	3·32·30	⊙	15·6	28·2	12·6	12·8		
		3·33·00	3·33·30	+	28·5	28·3	- 0·2	12·7		
		3·34·00	3·34·30	⊙	13·6	26·0	12·4	12·6		
		3·35·00	3·35·30	+	25·0	24·8	- 0·2	12·8		
		3·36·00	3·36·30	⊙	14·0	26·8	12·8	—		
	4·33·15	4·30·00	4·30·30	⊙	12·4	20·8	8·4	—	9·1	⊙ clear.
		4·31·00	4·31·30	+	20·0	18·6	- 1·4	9·6		
		4·32·00	4·32·30	⊙	10·0	18·0	8·0	9·2		
		4·33·00	4·33·30	+	17·0	16·0	- 1·0	9·0		
		4·34·00	4·34·30	⊙	10·6	18·6	8·0	9·0		
		4·35·00	4·35·30	+	18·1	17·1	- 1·0	8·9		
		4·36·00	4·36·30	⊙	11·8	19·6	7·8	—		
DECEMBER 9TH, 1846.	7·33·15	7·30·00	7·30·30	⊙	15·4	25·8	10·4	—	9·3	\ on the ⊙
		7·31·00	7·31·30	+	28.2	29·5	1·3	9·0		
		7·32·00	7·32·30	⊙	8·0	18·2	10·2	9·0		
		7·33.00	7·33·30	+	19·6	20·8	1·2	9·2		
		7·34·00	7·34·30	⊙	9·6	20·2	10·6	9·4		
		7·35·00	7·35·30	+	21·9	23·0	1·1	9·7		
		7·36·00	7·36·30	⊙	10·5	21·5	11·0	—		
	8·33·15	8·30·00	8·30·30	⊙	7.5	20·5	13·0	—	12·5	\ very near the ⊙.
		8·31·00	8·31·30	+	22·3	23·5	1.2	12·3		\ over the ⊙ but moving gently.
		8·32·00	8·32·30	⊙	8·1	22·2	14·1	12·7		
		8·33·00	8·33·30	+	24·0	25·5	1.5	12·6		
		8·34·00	8·34·30	⊙	8·5	22·5	14·0	12·4		
		8·35·00	8·35·30	+	21·2	25·8	1·6	12·3		Thin \ over the ⊙
		8·36·00	8·36·30	⊙	10·6	24·5	13·9	—		Thin \ over the ⊙
	9·33.15	9·30·00	9·30·30	⊙	7·3	22·8	15·5	—	14·2	\ on the ⊙.
		9·31·00	9·31·30	+	25·4	27·0	1·5	14·1		
		9·32·00	9·32·30	⊙	7·0	23·0	16·0	14·6		
		9·33·00	9·33·30	+	25·7	27·0	1·3	14·4		
		9·34·00	9·34·30	⊙	13·8	29·2	15·4	14·0		
		9·35·00	9·35·30	+	32·0	33·5	1·5	14·1		
		9·36.00	9·36·30	⊙	11·2	27·0	15·8	—		
	10·33·15	10·30·00	10·30·30	⊙	7·7	23·5	15·8	—	15·2	\ on the ⊙.
		10·31·00	10·31·30	+	25·2	26·9	1·7	14·6		
		10·32·00	10·32·30	⊙	4·0	20·8	16·8	15·2		
		10·33·00	10·33·30	+	23·0	24·5	1·5	15·3		
		10·34·00	10·34·30	⊙	6·1	23·0	16·9	15·4		
		10·35·00	10·35·30	+	25·9	27·4	1·5	15·4		
		10·36·00	10·36·30	⊙	1·6	18·5	16·9	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Terminal	Exposure, sun or shade. ⊙ +	Readings. A. Initial.	B. Terminal.	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
DECEMBER 9TH, 1846.	11·33·15	11·30·00	11·30·30	⊙	24·8	42·8	18·0	—	16·6	⊙ clear.
		11·31·00	11·31·30	+	46·0	48·0	2·0	16·2		
		11·32·00	11·32·30	⊙	10·0	28·5	18·5	16·6		
		11·33·00	11·33·30	+	32·2	34·0	1·8	16·7		
		11·34·00	11·34·30	⊙	13·5	32·0	18·5	16·5		
		11·35·00	11·35·30	+	36·0	38·0	2.0	17·1		
		11·36·00	11·36·30	⊙	13·0	32·8	19·8	—		
	12·33·15	12·30.00	12·30·30	⊙	3·8	21·0	17·2	—	16·4	⊙ clear.
		12·31·00	12·31·30	+	23·0	24·0	1·0	16·2		
		12·32·00	12·32.30	⊙	14·0	31·2	17·2	16·3		
		12·33·00	12·33·30	+	33·2	34·0	0·8	16·5		
		12·34·00	12·34·30	⊙	12·8	30·2	17·4	16·4		
		12·35·00	12·35·30	+	33·0	34·3	1·3	16·5		
		12·36·00	12·36·30	⊙	13·8	32·0	18·2	—		
	1·33·15	1·30·00	1·30·30	⊙	13·8	29·0	15·2	—	16·0	⊙ clear.
		1·31·00	1·31·30	+	28·6	28·2	- 0·4	16·0		
		1·32·00	1·32·30	⊙	16·4	32·4	16·0	16·0		
		1·33·00	1·33·30	+	33·6	34·0	0.4	15·8		
		1·34·00	1·34·30	⊙	16·0	32·4	16·4	16·0		
		1·35·00	1·35·30	+	33·8	34·2	0·4	16·0		
		1·36·00	1·36·30	⊙	15·7	32·1	16·4	—		
	2·33·15	2·30·00	2·30·30	⊙	10·0	24·0	14·0	—	15·5	⊙ clear.
		2·31·00	2·31·30	+	22·5	21·1	- 1·4	15·7		
		2·32·00	2.32·30	⊙	16·6	31·2	14·6	15·8		
		2·33·00	2·33·30	+	30·2	29.2	- 1·0	15·4		
		2·34·00	2,34·30	⊙	15·0	29·2	14·2	15·2		
		2·35.00	2·35·30	+	27·2	26·3	- 0·9	15·5		
		2·36·00	2·36·30	⊙	17·0	32·0	15·0	—		
	3·33·15	3·30·00	3·30·30	⊙	16·8	28·6	11·8	—	13·4	⊙ clear.
		3·31·00	3·31·30	+	26·3	24·7	- 1·6	13·4		
		3·32·00	3·32·30	⊙	9·2	21·0	11·8	13·2		
		3·33·00	3·33·30	+	21·2	20·0	- 1·2	13·1		
		3·34·00	3·34·30	⊙	10·0	22·0	12·0	13·5		
		3·35·00	3·35·30	+	20·8	19·0	- 1·8	14·0		
		3·36·00	3·36·30	⊙	11·0	23·4	12·4	—		
	4·33·15	4·30·00	4·30·30	⊙	13·0	20·8	7·8	—	8·9	⊙ very near fleecy clouds and \_.
		4·31·00	4·31·30	+	20·0	18·2	- 1·8	9·6		
		4·32·00	4·32·30	⊙	10·2	18·0	7·8	9·3		
		4·33·00	4·33·30	+	17·6	16·4	- 1·2	8·6		
		4·34·00	4·34·30	⊙	9·5	16·5	7·0	8·3		
		4·35·00	4·35·30	+	15·6	14·2	- 1·4	8·6		
		4·36·00	4·36·30	⊙	11·5	18·9	7·4	—		
DECEMBER 10TH, 1846.	7·33·15	7·30·00	7·30·30	⊙	6·4	16·2	9·8	—	8·8	⊙ hazy.
		7·31·00	7·31·30	+	18·0	19·5	1.5	8·5		
		7·32.00	7·32·30	⊙	7·8	18·0	10·2	8·8		
		7·33·00	7·33·30	+	19·5	20·8	1·3	8·8		
		7·34·00	7·34·30	⊙	8·3	18·4	10·1	8·9		
		7·35·00	7·35 30	+	20·2	21·4	1·2	8·7		
		7·36·00	7·36·30	⊙	7·8	17.5	9·7	—		
	8·33·15	8·30·00	8·30·30	⊙	12·8	25·5	12·7	—	12·1	Thin \\ over the ⊙.
		8·31·00	8·31·30	+	27·5	29·0	1·5	11·3		
		8·32·00	8·32.30	⊙	10·6	23·5	12·9	11·6		
		8·33·00	8·33.30	+	25 2	26·2	1·0	12·1		
		8·34·00	8·34·30	⊙	8·5	21·8	13·3	12·4		
		8·35·00	8·35·30	+	22·3	23·0	0·7	12·8		
		8·36·00	8·36·30	⊙	8·2	22.0	13·8	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Time of Observation. Bombay, 1846. Terminal.	Exposure, sun or shade. ⊙ +	Readings. A. Initial.	Readings. B. Terminal.	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
DECEMBER 10TH, 1846.	9·33·15	9·30·00	9·30·30	⊙	10·0	25·0	15·0	—	14·1	Light fleecy clouds on the ⊙.
		9·31·00	9·31·30	+	26·9	28·0	1·1	14·5		
		9·32·00	9·32·30	⊙	4·8	21·0	16·2	14·8		
		9·33·00	9·33·30	+	22·8	24·5	1·7	14·0		
		9·34·00	9·34·30	⊙	13·8	29·0	15·2	13·6		
		9·35·00	9·35·30	+	31·5	33·0	1·5	13·7		
		9·36·00	9·36·30	⊙	8·8	24·0	15·2	—		
	10·33·15	10·30·00	10 30·30	⊙	4·8	21·5	16·7	—	16·7	⊙ clear; light fleecy clouds near the ⊙.
		10·31·00	10·31·30	+	22·0	22·2	0·2	16·6		
		10·32·00	10·32·30	⊙	13·0	30·0	17·0	16·7		
		10·33.00	10·33·30	+	31·8	32·2	0·4	16·9		
		10·34·00	10·34·30	⊙	9·9	27·5	17·6	16·9		
		10·35·00	10·35·30	+	30·0	31·0	1·0	16·6		
		10·36·00	10·36·30	⊙	8.5	26·0	17·5	—		
	11·33·15	11·30·00	11·30·30	⊙	10·2	24·0	13·8	—	16·1	⊙ clear.
		11·31·00	11·31·30	+	23·9	23·5	- 0·4	15·7		
		11·32·00	11·32·30	⊙	4·2	21·0	16·8	17·0		
		11·33·00	11·33·30	+	22·0	22·0	0·0	16·4		
		11·34·00	11·34·30	⊙	5.0	21·0	16.0	15·6		
		11·35·00	11·35·30	+	23·0	23·9	0·9	15·7		
		11·36·00	11·36·30	⊙	11·8	29·0	17·2	—		
	12·33·15	12·30·00	12·30·30	⊙	3·8	18·8	15·0	—	16·6	⊙ clear.
		12·31·00	12·31·30	+	19·0	29·0	0·0	15·7		
		12·32·00	12·32·30	⊙	10·0	26·5	16·5	16·4		
		12·33·00	12·33·30	+	28·8	29·0	0·2	16·8		
		12·34·00	12·34·30	⊙	3·5	21·0	17·5	17·1		
		12·35·00	12·35·30	+	22·9	23·5	0·6	17·1		
		12·36·00	12·36·30	⊙	6·1	23·9	17·8	—		
	1·33·15	1·30·00	1·30·30	⊙	15·4	29.0	13·6	—	14·6	⊙ clear.
		1·31·00	1·31·30	+	29·0	28·6	- 0·4	14·5		
		1·32·00	1·32·30	⊙	15·0	29·6	14·6	14·6		
		1·33·00	1·33·30	+	30·4	30·8	0.4	14·6		
		1·34·00	1·34·30	⊙	14·0	29·4	15·4	14·7		
		1·35·00	1·35·30	+	33·5	34·5	1·0	14·5		
		1·36·00	1·36·30	⊙	14·0	29.6	15·6	—		
	2·33·15	2·30·00	2·30·30	⊙	9·2	24·0	14·8	—	15·0	⊙ clear.
		2·31·00	2·31·30	+	24·3	24·4	0·1	14·9		
		2·32·00	2·32·30	⊙	14·5	29·7	15·2	15·1		
		2·33·00	2·33·30	+	30·0	30·1	0·1	15·3		
		2·34·00	2·34·30	⊙	14·4	30·0	15·6	15·1		
		2·35·00	2·35·30	+	31·8	32.7	0·9	14·7		
		2·36·00	2·36·30	⊙	18·0	33·6	15·6	—		
	3·33·15	3·30·00	3·30·30	⊙	11·0	24·0	12·0	—	13·5	⊙ clear.
		3·31·00	3·31·30	+	24·0	23·2	- 0·8	13·5		
		3·32·00	3·32·30	⊙	10·6	23·0	12·4	13·1		
		3·33·00	3·33·30	+	23·0	22·4	- 0·6	13·3		
		3·34·00	3·34·30	⊙	13·0	26·0	13·0	13·5		
		3·35·00	3·35·30	+	25·6	25·2	- 0.4	13·9		
		3·36.00	3·36·30	⊙	13·6	27·6	14·0	—		
	4·33·15	4·30·00	4·30·30	⊙	8·2	16·0	7·8	—	8·9	⊙ very near ⌞.
		4·31·00	4·31·30	+	15·6	14·4	- 1·2	9·1		
		4·32·00	4·32·30	⊙	9·8	17·8	8·0	9·3		
		4·33·00	4·33·30	+	16·8	15·4	- 1·4	9·0		
		4·34·00	4·34·30	⊙	10·0	17·2	7·2	8·6		
		4·35·00	4·35·30	+	16·4	15·0	- 1·4	8·7		
		4·36·00	4·36.30	⊙	9·6	17·0	7·4	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
DECEMBER 11TH, 1846.	7.33·15	7·30·00	7·30·30	⊙	11·0	19·8	8·8	—	8·3	Thick mist over the ⊙.
		7·31·00	7·31·30	+	21·3	23 0	1·7	7·4		
		7·32·00	7·32·30	⊙	5·0	15·0	10 0	8·6		
		7·33·00	7·33·30	+	17·0	18·0	1·0	8·9		
		7·34·00	7·34·30	⊙	7·5	17·3	9·8	8·5		
		7·35·00	7·35·30	+	19·0	20·5	1·5	8·1		
		7·36·00	7·36·30	⊙	8·1	17·5	9·4	—		
	8·33 15	8.30·00	8·30·30	⊙	18·2	31·5	13·3	—	11·6	Thick mist over the ⊙.
		8·31·00	8·31·30	+	33·2	35·4	1·8	11·3		
		8 32.00	8·32·30	⊙	12·5	25·5	13·0	11·3		
		8·33·00	8·33·30	+	28·0	29·5	1.5	11·6		
		8·34·00	8·34·30	⊙	12·3	25·6	13·3	11·7		
		8·35·00	8·35·30	+	28·1	29·7	1·6	12·0		
		8·36·00	8·36·30	⊙	10·5	24·5	14·0	—		
	9·33·15	9·30·00	9·30·30	⊙	3.0	17·7	14·7	—	13·9	⊙ clear.
		9·31·00	9·31·30	+	20·0	21·0	1·0	13·8		
		9·32·00	9·32·30	⊙	3·0	17·9	14·9	13·6		
		9·33·00	9·33·30	+	21·2	22·8	1·6	13·7		
		9·34·00	9·34·30	⊙	13·0	28·8	15.8	14·1		
		9·35·00	9 35·30	+	32·2	34·0	1·8	14·1		
		9·36·00	9·36·30	⊙	14·0	30·0	16·0	—		
	10·33·15	10·30·00	10·30·30	⊙	19·8	34·0	14·2	—	14·4	⊙ clear.
		10·31·00	10·31·30	+	36·0	37·3	1·3	13·4		
		10·32·00	10·32·30	⊙	8·8	24·0	15·2	13·6		
		10·33·00	10·33·30	+	27·0	28·9	1·9	14·4		
		10·34·00	10·34·30	⊙	11.0	28·5	17·5	15·5		
		10·35·00	10·35·30	+	31·9	34·0	2·1	15·2		
		10·36·00	10·36·30	⊙	11·8	29·0	17·2	—		
	11·33·15	11·30 00	11·30·30	⊙	5·0	19·1	14·1	—	15·1	⊙ clear.
		11·31·00	11.31·30	+	20·0	20·3	0·3	14·7		
		11·32·00	11·32·30	⊙	8·0	24·0	16·0	15·4		
		11·33·00	11·33·30	+	25·0	26·0	1·0	15·0		
		11·34·00	11·34·30	⊙	14·0	30·0	16·0	14.9		
		11·35·00	11·35·30	+	31·7	32·9	1·2	15·5		
		11·36·00	11·36·30	⊙	9·5	27·0	17·5	—		
	12·33·15	12·30·00	12·30·30	⊙	2·8	19·8	17·0	—	15·8	⊙ hazy.
		12·31·00	12·31·30	+	22·5	24·0	1·5	16.0		
		12·32·00	12·32·30	⊙	11·5	29·5	18·0	15·9		
		12 33·00	12·33·30	+	33·0	35·8	2·8	15·3		
		12·34·00	12 34·30	⊙	10·9	29·0	18·1	15·7		
		12·35·00	12·35·30	+	32·0	34·0	2.0	16.1		
		12·36·00	12·36·30	⊙	14·8	33·0	18·2	—		
	1·33·15	1·30·00	1·30·30	⊙	10·3	24·7	14·4	—	14·4	⊙ clear.
		1·31·00	1·31 30	+	25·8	25·8	0·0	14·7		
		1·32·00	1 32·30	⊙	13·0	28·0	15·0	14·1		
		1·33·00	1·33·30	+	28·8	30·6	1·8	13.6		
		1·34·00	1·34·30	⊙	13·0	28·8	15·8	14·5		
		1·35·00	1·35·30	+	30·8	31·6	0·8	15·0		
		1·36·00	1·36·30	⊙	13·8	29·6	15·8	—		
	2·33·15	2·30·00	2·30·30	⊙	3·0	18·8	15·8	—	14·1	⊙ clear.
		2·31·00	2·31·30	+	21·6	23·0	1·4	14·0		
		2·32·00	2·32·30	⊙	15·2	30·2	15 0	13·9		
		2·33·00	2·33·30	+	32·3	33·2	0·9	14·2		
		2·34·00	2·34·30	⊙	14·4	29·6	15·2	14·2		
		2·35·00	2·35·30	+	31·8	32·8	1·0	14·2		
		2·36·00	2·36·30	⊙	14·0	29·2	15·2	—		

ACTINOMETER.

Date. Bombay Civil Time.		Time of Observation. Bombay, 1846. Initial.	Time of Observation. Bombay, 1846. Terminal.	Exposure, sun or shade. ⊙ +	Readings. A. Initial.	Readings. B. Terminal.	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
DECEMBER 11TH, 1846.	3·33·15	3·30·00	3·30·30	⊙	6·4	17·8	11·4	—	12·0	⊙ clear.
		3·31·00	3·31·30	+	18 0	17 4	0·6	12·1		
		3·32·00	3·32·30	⊙	13·8	25·4	11·6	12·0		
		3·33·00	3·33·30	+	25·2	25·0	0·2	12 0		
		3·34·00	3·34·30	⊙	17·0	29·0	12·0	12·1		
		3·35·00	3·35·30	+	28·8	28·8	0·0	11·8		
		3·36·00	3·36·30	⊙	13·9	25·5	11·6	—		
	4·33·15	4·30·00	4·30·30	⊙	6·6	14·0	7·4	—	8·1	⊙ clear.
		4·31·00	4·31·30	+	13·5	12·1	- 1·4	8·4		
		4.32·00	4·32·30	⊙	10·7	17·4	6·7	8·1		
		4·33·00	4·33·30	+	18.2	16·8	- 1·4	8·2		
		4·34·00	4·34·30	⊙	5·0	11·8	6·8	8·0		
		4·35·00	4·35·30	+	11·0	10·0	- 1·0	7·6		
		4·36·00	4·36·30	⊙	7·0	13·4	6·4	—		
DECEMBER 12TH, 1846.	7·33·15	7·30·00	7·30·30	⊙	4·2	13·4	9·2	—	8 0	Thin haze round the ⊙.
		7·31·00	7·31·30	+	15·8	17·3	1·5	7·5		
		7·32·00	7·32·30	⊙	6·8	15·7	8·9	7·7		
		7·33·00	7·33·30	+	17·4	18·2	0·8	8·2		
		7·34·00	7·34·30	⊙	5·5	14·6	9·1	8·2		
		7·35·00	7·35·30	+	16·1	17·0	0·9	8·2		
		7·36·00	7·36·30	⊙	7·3	16·5	9·2	—		
	8·33·15	8·30.00	8·30·30	⊙	25·6	38·2	12·6	—	11·7	⊙ hazy.
		8·31·00	8·31·30	+	40·2	41·4	1·2	11·7		
		8·32·00	8·32·30	⊙	9·5	22·8	13·3	11·9		
		8·33·00	8·33·30	+	24·4	26·0	1·6	11 5		
		8·34·00	8·34·30	⊙	10·4	23·4	13·0	11·5		
		8·35·00	8.35·30	+	25·2	26·5	1·3	11·9		
		8·36·00	8·36·30	⊙	10·6	24·0	13·4	—		
	9·33·15	9·30·00	9·30·30	⊙	2·8	18·5	15·7	—	12·7	⊙ shone faintly through light fleecy clouds during the third and fourth observations
		9·31·00	9·31·30	+	21·3	24·0	2·7	12·1		
		9·32·00	9·32·30	⊙	12.0	26·0	14·0	11·7		
		9·33·00	9·33·30	+	29·9	31·8	1·9	12·3		
		9·34·00	9·34·30	⊙	9·0	23·5	14·5	12·5		
		9·35·00	9·35·30	+	26·8	29·0	2·2	13·1		
		9·36·00	9·36·30	⊙	13·8	30·0	16·2	—		
	10·33·15	10·30·00	10·30·30	⊙	15·0	21·5	6·5	—	9·9	⊙ covered with dense fleecy clouds during the observations except the fifth.
		10·31·00	10·31·30	+	21·8	22·0	0·2	6·8		
		10·32·00	10·32·30	⊙	0·0	7·5	7·5	7·1		
		10·33·00	10·33·30	+	8·2	8 8	0·6	11·2		
		10·34.09	10·34·30	⊙	1·8	17·9	16·1	14·1		
		10·35·00	10·35·30	+	20·0	21·5	1·5	10·5		
		10·36·00	10·36·30	⊙	5·0	13·0	8·0	—		
	11·33·15	11·30·00	11·30·30	⊙	8·0	23 0	15·0	—	14·0	⊙ clear.
		11·31·00	11·31·30	+	25·0	26·0	1·0	14·0		
		11·32·00	11·32·30	⊙	13·5	28·5	15·0	13·5		
		11·33·00	11·33·30	+	31·0	33·0	2·0	13·5		
		11·34·00	11·34·30	⊙	12·5	28·5	16·0	14·2		
		11·35·00	11·35·30	+	31·9	33·5	1·6	14·6		
		11·36·00	11·36·30	⊙	9·5	26·0	16·5	—		
	12·33·15	12·30·00	12·30·30	⊙	2·5	17·0	14·5	—	13·8	⊙ hazy.
		12·31·00	12·31·30	+	18·0	18·1	0·1	14·2		
		12·32·00	12·32·30	⊙	7·9	22·0	14·1	13·6		
		12·33·00	12·33·30	+	23·0	23·9	0·9	13·6		
		12·34·00	12·34·30	⊙	10·0	25·0	15·0	13·6		
		12·35.00	12·35·30	+	27·0	28·9	1·9	13·9		
		12·36·00	12·36·30	⊙	7.9	24·5	16·6	—		

ACTINOMETER.

Date. Bombay Civil Time.		Time of Observation. Bombay, 1846.		Exposure, sun ⊙ or shade +.	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	Initial. H. M. S.	Terminal. H. M. S.		A. Initial.	B. Terminal.				
DECEMBER 12TH, 1846.	1.33.15	1·30·00	1·30·30	⊙	10·0	24·0	14·0	—	13·8	⊙ clouded by thin \\.
		1·31·00	1·31·30	+	25.6	26·0	0·4	14·0		
		1·32·00	1·32·30	⊙	14·0	28·8	14·8	14·0		
		1·33·00	1·33·30	+	31·0	32·2	1·2	13·5		
		1·34.00	1·34·30	⊙	13.6	28·2	14·6	13·3		
		1·35·00	1·35·30	+	30·2	31·6	1·4	13·3		
		1·36·00	1·36·30	⊙	15·6	30·4	14·8	—		
	2·33·15	2·30.00	2·30·30	⊙	8.0	21·8	13·8	—	13·7	⊙ clear.
		2·31.00	2·31·30	+	22·6	23·4	0·8	13·0		
		2·32·00	2·32·30	⊙	14·0	27·8	13·8	13·4		
		2·33·00	2·33·30	+	28·2	28·2	0·0	14·0		
		2,34·00	2·34·30	⊙	15·0	19·2	14·2	14·0		
		2·35·30	2·35·00	+	31·0	31·4	0·4	13·9		
		2·36·30	2·36·00	⊙	14·4	28·8	14·4	—		
	3·33·15	3·30·00	3·30·30	⊙	18·0	29·0	11·0	—	11·9	⊙ clear.
		3.31·00	3·31·30	+	29·0	28·0	- 1·0	12·0		
		3·32·00	3·32·30	⊙	14·0	25·0	11·0	12·0		
		3·33.00	3·33·30	+	24·8	23·8	- 1·0	12·0		
		3·34·00	3·34·30	⊙	13·0	24·0	11·0	11·8		
		3·35·00	3·35·30	+	24·6	24·0	- 0·6	11·6		
		3·36·00	3.36·30	⊙	12·8	23·8	11·0	--		
DECEMBER 14TH, 1846.	7·33.15	7·30·00	7·30·30	⊙	1·4	2·2	10·8	—	0·5	⊙ entirely clouded by ∿i.
		7.31·00	7.31·30	+	0·5	0·5	0·0	0·6		
		7·32·00	7·32·30	⊙	2·2	2·7	0·5	0·4		
		7·33·00	7·33·30	+	1·4	1·5	0·1	0·4		
		7·34·00	7·34·30	⊙	2.5	3·0	0·5	0·3		
		7·35·00	7·35·30	+	2·2	2·5	0·3	0·9		Fleecy ⌒ on the ⊙.
		7·36·00	7·36·30	⊙	4·2	6·2	12·0	—		Fleecy ⌒ moving across the ⊙
	8·33·15	8·30·00	8·30·30	⊙	4·4	6·2	1·8	—	2·5	∿ over the ⊙.
		8·31·00	8·31·30	+	6·5	7·4	0·9	3·1		
		8·32·00	8·32·30	⊙	9·0	11·3	2·3	1·6		
		8·33·00	8·33·30	+	12·0	12·5	0·5	1·8		
		8·34·00	8·34.30	⊙	14·2	16·5	2·3	1·8		Thick fleecy ⌒ over the ⊙.
		8·35·00	8·35·30	+	17·0	17·4	0.4	4·1		Thick fleecy ⌒ moving aside the ⊙.
		8·36·00	8·36·30	⊙	20·5	29·3	8·8	—		
	9·33·15	9·30·00	9·30·30	⊙	5·0	18·5	13·5	—	14·7	⊙ a little hazy.
		9·31.00	9·31·30	+	21·0	24·9	3·9	10·3		
		9·32·00	9·32·30	⊙	4·0	19·0	15·0	11·5		
		9·33.00	9·33·30	+	22·8	26·0	3·2	12·0		
		9·34·00	9·34·30	⊙	13·1	28·5	15·4	12·2		
		9·35·00	9·35·30	+	33·8	37·0	3·2	12·7		
		9·36·00	9.36·30	⊙	2·0	18·5	16·5	—		
	10·33·15	10·30·00	10·30·30	⊙	43·5	56·9	13·4	—	14.3	⊙ clear.
		10·31·00	10.31·30	+	58·9	59·0	0·1	14·1		
		10·32·00	10·32·30	⊙	12·5	27·5	15·0	14·1		
		10·33·00	10·33·30	+	34·0	36·0	2·0	14·2		
		10·34·00	10·34·30	⊙	9·0	26·5	17·5	15·0		
		10·35·00	10·35·30	+	31·0	34·0	3·0	14·0		
		10·36·00	10·36·30	⊙	15·5	32·0	16·5	—		
	11·33·15	11·30·00	11·30·30	⊙	39.0	52·4	13·4	—	14·4	⊙ clear.
		11·31·00	11·31·30	+	54·0	55·0	1·0	13·8		
		11·32·00	11·32·30	⊙	10·0	26·2	16·2	15·0		
		11·33.00	11·33·30	+	29·0	30·5	1·5	14·8		
		11·34·00	11·34·30	⊙	6·0	22·5	16·5	14·3		
		11·35·00	11·35·30	+	28·0	31·0	3·0	14·2		
		11.36·00	11·36·30	⊙	7·6	25·5	17·9	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Time of Observation. Bombay, 1846. Terminal.	Exposure, sun or shade. + ⊙	Readings. A. Initial.	Readings. B. Terminal.	Change per ½ min. B − A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
DECEMBER 14TH, 1846.	12·33·15	12·30 00	12·30·30	⊙	4·0	19·5	15·5	—	15·7	⊙ clear, \ very near the ⊙.
		12·31·00	12·31·30	+	21·5	23·0	1·5	14·5		
		12·32·00	12·32·30	⊙	12.0	28·5	16·5	15·3		
		12·33·00	12·33·30	+	32·0	33·0	1·0	16·2		
		12·34·00	12·34·30	⊙	20·0	38·0	18·0	16·6		
		12·35.00	12·35·30	+	39.6	41·5	1·9	16·0		
		12·36·00	12·36·30	⊙	10·2	28·0	17·8	—		
	1.33·15	1·30·00	1·30·30	⊙	12·4	29·4	17·0	—	14·9	⊙ clear.
		1·31·00	1·31·30	+	32·0	34·0	2·0	15·2		
		1·32·00	1·32·30	⊙	13·6	31·0	17·4	15·1		
		1·33·00	1·33·30	+	35·2	37·9	2·7	14·7		
		1.34·00	1·34·30	⊙	14.8	32·2	17·4	14·7		
		1·35·00	1·35·30	+	35·6	38·2	2·6	14·8		
		1·36·00	1.36·30	⊙	18·0	35·4	17·4	—		
	2·33·15	2·30·00	2·30·30	⊙	16·0	29·2	13·2	—	13.2	⊙ clear
		2·31·00	2·31·30	+	30·8	30·6	− 0·2	13·4		
		2·32·00	2·32·30	⊙	10·8	24·0	13.2	13·3		
		2·33·00	2·33·30	+	24·8	24·8	0·0	13·1		
		2·34·00	2·34·30	⊙	11·2	24·2	13·0	12·9		
		2·35·00	2·35·30	+	26.7	27·0	0·3	13·1		
		2·36·00	2·36·30	⊙	14·0	27·8	13·8	—		
	3·33·15	3·30·00	3·30·30	⊙	7·0	18·4	11·4	—	12·0	⊙ clear.
		3·31·00	3·31·30	+	19·0	18·2	− 0·8	12·4		
		3·32·00	3·32·30	⊙	11·2	23·0	11·8	12.4		
		3·33·00	3·33·30	+	23·8	23·4	− 0·4	11·6		
		3·34·00	3·34·30	⊙	12·4	23·7	11·3	11·9		
		3·35.00	3·35·30	+	24·8	24·7	− 0·1	11·5		
		3·36·00	3·36·30	⊙	13·8	25·2	11·4	—		
	4·33·15	4·30·00	4·30·30	⊙	12·8	20·0	7.2	—	8·8	⊙ clear.
		4·31·00	4·31·30	+	18·2	16·4	− 1·8	9·1		
		4·32·00	4·32·30	⊙	6·0	13·4	7·4	9·2		
		4·33·00	4.33·30	+	12·0	10·2	− 1·8	8·8		
		4·34·00	4·34·30	⊙	14·4	21·0	6·6	8·5		
		4·35·00	4·35·30	+	20 0	18·0	− 2·0	8·6		
		4·36·00	4·36·30	⊙	16·4	23·0	6·6	—		
DECEMBER 15TH, 1846.	7·33·15	7·30·00	7·30·30	⊙	5·0	6·0	1·0	—	0·1	⊙ entirely overcast with ∿.
		7·31·00	7·31·30	+	5·5	6·0	0·5	0·2		
		7·32·00	7·32·30	⊙	6·4	6·9	0·5	0·2		
		7·33·00	7·33·30	+	6·2	6·2	0·0	0·3		
		7·34·00	7·34·30	○	6·5	6·7	0·2	0·0		
		7·35·00	7·35·30	+	6·3	6·7	0·4	− 0·2		
		7·36·00	7·36·30	⊙	6·4	6·5	0·1	—		
	8·33·15	8·30·00	8·30·00	⊙	5·3	8·8	3·5	—	7·8	Fleecy ⌒ over the ⊙. Fleecy ⌒ moving partly aside.
		8·31·00	8·31·30	+	9·7	11·2	1·5	4·9		
		8·32·00	8·32·30	⊙	17·2	26·5	9·3	7·4		
		8·33·00	8·33·30	+	29·0	31·2	2·2	8·0		
		8·34·00	8·34.30	⊙	8·0	19·2	11·2	9·0		∿ over the ⊙
		8·35·00	8·35·30	+	22·0	24·2	2·2	9·7		
		8·36·00	8·36·30	⊙	9·2	19·8	10·6	—		
	9·33·15	9.30·00	9·30·30	⊙	10·0	25·0	15.0	—	12·7	\ on the ⊙.
		9·31·00	9·31·30	+	28·0	30·0	2·0	12·7		
		9·32 00	9·32·30	⊙	11·9	26·3	14·4	11·9		
		9·33·00	9·33·30	+	30·0	33·0	3·0	12·2		
		9·34·00	9·34·30	⊙	8·5	24·6	16·1	13·5		
		9·35·00	9·35·30	+	27·7	30·0	2·3	13·3		
		9·36·00	9·36·30	⊙	16·0	31·1	15·1	—		

ACTINOMETER.

Date. Bombay Civil Time.		Time of Observation. Bombay, 1846.		Exposure, sun ⊙ or shade +	Readings.		Change per ½ min B − A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
DECEMBER 15th, 1846.	10·33·15	10·30·00	10·30·30	⊙	41·0	55·4	14·4	—	14·5	Light fleecy clouds moving gently over the ⊙.
		10·31·00	10·31·30	+	57.0	58·8	1·8	14·1		
		10·32·00	10·32·30	⊙	4·5	22·0	17·5	15·2		
		10·33·00	10·33·30	+	26·0	28.8	2·8	14·4		
		10·34·00	10·34·30	⊙	15·0	32·0	17·0	14·1		
		10·35·00	10·35·30	+	36·0	39·0	3·0	14·6		
		10·36·00	10·36·30	⊙	15·8	34·0	18·2	—		
	11·33·15	11·30.00	11·30·30	⊙	4·0	18·0	14·0	—	14·5	Light fleecy clouds and ∖ı covered the ⊙ during the observations, except the third and fourth, when there were only ∖ı.
		11·31·00	11·31·30	+	19·6	20·0	0·4	14·5		
		11·32·00	11·32.30	⊙	4·2	20·0	15·0	15·1		
		11·33·00	11·33·30	+	22·0	23·0	1·0	14·6		
		11·34·00	11·34·30	○	4·0	19·5	15·5	14·1		
		11·35·00	11·35·30	+	22·0	23·8	1·8	14·4		
		11·36·00	11·36·30	⊙	9·0	26·0	17·0	—		
	12·33·15	12·30 00	12·30 30	⊙	11·6	26·0	14·4	—	11·5	∖ı on the ⊙ during the first two observations, ∖ and fleecy clouds in a large mass moving South-eastward, during the remaining observations.
		12·31·00	12·31·30	+	27·0	27·7	0·7	13·5		
		12·32·00	12·32·30	⊙	15·0	29·0	14·0	13·4		
		12·33·00	12·33·30	+	30·5	31·0	0·5	11·8		
		12·34 00	12·34·30	⊙	39·3	49·9	10·6	9·9		
		12·35·00	12·35·30	+	50·5	51·4	0·9	9·1		
		12·36·00	12·36·30	⊙	5·0	14·5	9·5	—		
	1·33·15	1·30·00	1·30·30	⊙	12·8	25·8	13·0		13·1	⊙ completely clouded by ∖ and ∖_.
		1·31·00	1·31·30	+	27·2	27·5	0·3	13·1		
		1·32·00	1.32·30	⊙	11·9	25·7	13·8	13·2		
		1·33·00	1·33·30	+	27·1	28·0	0·9	13·1		
		1·34·00	1.34·30	⊙	14·2	28·4	14·2	13·2		
		1·35.00	1·35·30	+	30·6	31·6	1·0	12·9		
		1·36·00	1·36·30	⊙	16·0	29·6	13·6	—		
	2·33·15	2·30·00	2·30·30	⊙	10.0	24·0	14·0	—	13·6	⊙ clouded by ∖ı
		2·31·00	2·31·30	+	25·8	26·8	1·0	13·3		
		2·32·00	2·32·30	⊙	15·0	29·6	14·6	13·6		
		2·33·00	2·33·30	+	31·3	32·3	1·0	13·7		
		2·34·00	2·34·30	⊙	17·0	31·8	14·8	13·7		
		2·35·00	2·35·30	+	33·8	35·0	1·2	13·7		
		2·36·00	2·36·30	⊙	15·2	30·2	15·0	—		
	3·33·15	3·30·00	3·30·30	⊙	8·0	18·2	10·2	—	11·0	⊙ clouded by ∖_
		3·31·00	3·31·30	+	17·2	16·2	- 1·0	11·1		
		3·32·00	3·32·30	⊙	18·0	28·0	10·0	11·0		
		3·33·00	3·33·30	+	27·9	27·0	- 0·9	10·8		
		3·34·00	3·34·30	⊙	10·0	19·8	9·8	10·6		
		3·35·00	3·35·30	+	20·0	19·2	- 0·8	11·5		
		3·36·00	3·36·30	⊙	13·2	24·8	11·6	—		
	4·33·15	4·30·00	4·30·30	⊙	7·8	7·2	- 0·6	—	1·4	⊙ completely clouded by dense ∖_ and ∨∩.
		4·31·00	4·31·30	+	6·6	4·6	- 2·0	1·4		
		4·32.00	4·32·30	⊙	12·7	12·0	- 0·7	1·3		
		4·33·00	4·33·30	+	10·0	8·0	- 2·0	1·4		
		4·34·00	4·34·30	⊙	20·2	19·6	- 0·6	1.4		
		4·35·00	4·35 30	+	17·7	15·7	- 2·0	1·3		
		4·36·00	4·36·30	⊙	24·7	24·0	- 0·7	—		
DEC. 16th, 1846.	7·33·15	7·30·00	7·30·30	⊙	16·4	26·0	9·6	—	8·2	Thick mist round the ⊙
		7·31·00	7·31·30	+	27·4	29·0	1·6	8·0		
		7·32·00	7·32.30	⊙	36·4	46·0	9·6	8·0		
		7·33·00	7·33.30	+	47·2	48·8	1·6	8·1		
		7·34·00	7·34·30	⊙	5·4	15·2	9·8	8·3		
		7·35·00	7·35·30	+	17·2	18·5	1·3	8·5		
		7·36·00	7·36·30	⊙	27·3	37·2	9·9	—		

ACTINOMETER.

Date. Bombay Civil Time.		Time of Observation. Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
DECEMBER 16TH, 1846.	8.33·15	8·30·00	8·30·30	⊙	10·2	22·9	12·7	—	11·5	⊙ clear.
		8·31·00	8·31·30	+	25·0	27·0	2·0	10·8		
		8·32·00	8·32·30	⊙	39·3	52·3	13·0	11·4		
		8·33·00	8·33·30	+	55·0	56·2	1·2	12·0		
		8·34·00	8·34·30	⊙	11 5	25·0	13·5	11·9		
		8·35·00	8·35·30	+	27·5	29·5	2·0	11·4		
		8·36·00	8·36·30	⊙	11·3	24·7	13·4	—		
	9·33 15	9.30·00	9·30·30	⊙	7·0	21·2	14·2	—	14·2	⊙ a little hazy.
		9·31·00	9·31·30	+	24·0	25·0	1·0	13·6		
		9·32.00	9·32·30	⊙	12·2	27·3	15.1	14·1		
		9·33·00	9·33·30	+	30·0	31·0	1·0	14·3		
		9·34·00	9·34·30	⊙	11·5	27·0	15·5	14·4		
		9·35·00	9·35·30	+	29·7	31·0	1·3	14·4		
		9·36·00	9·36·30	⊙	7·0	22·9	15·9	—		
	10·33·15	10·30·00	10·30·30	⊙	13·5	30·0	16·5	—	15·3	Light fleecy clouds over the ⊙.
		10·31·00	10·31·30	+	31·0	31·7	0·7	15·6		
		10·32·00	10·32·30	⊙	13·8	30·0	16·2	15·5		
		10·33·00	10·33·30	+	31·5	32·3	0·8	15·4		
		10·34·00	10·34·30	⊙	12·0	28·2	16·2	15·2		
		10·35·00	10·35·30	+	30·2	31·5	1·3	14·8		
		10·36·00	10·36·30	⊙	47·2	63·2	16·0	—		
	11·33·15	11·30·00	11·30·30	⊙	3·0	18·0	15·0	—	15·8	⊙ clear.
		11·31·00	11·31·30	+	22.0	24·0	2·0	14·5		
		11·32·00	11·32·30	⊙	10·0	28·0	18·0	16·0		
		11·33·00	11·33·30	+	31·0	33·0	2·0	15·9		
		11·34·00	11·34·30	⊙	10·2	28·0	17·8	16·1		
		11·35·00	11·35·30	+	31·5	33·0	1·5	16·5		
		11·36·00	11·36·30	⊙	11·8	30·0	18.2	—		
	12·33·15	12·30 00	12·30·30	⊙	2·8	21·8	19·0	—	16·0	⊙ clear.
		12·31·00	12.31·30	+	21·8	23·0	1·2	16·5		
		12·32·00	12·32·30	⊙	3.5	20·0	16·5	14·9		
		12·33·00	12·33·30	+	24·0	26·0	2·0	15·6		
		12·34·00	12·34·30	⊙	14·0	32·8	18·8	16·6		
		12·35·00	12·35·30	+	36·6	39·0	2·4	16·5		
		12·36·00	12·36·30	⊙	11·9	31·0	19·1	—		
	1·33·15	1·30·00	1·30·30	⊙	5·8	19·6	13·8	—	14·9	⊙ clear.
		1·31·00	1·31·30	+	20·0	19·6	- 0·4	14·6		
		1·32·00	1·32·30	⊙	6·4	21·0	14·6	14·8		
		1.33·00	1·33·30	+	23·0	23 0	0·0	14·9		
		1·34·00	1·34·30	⊙	7·8	23·0	15·2	15·1		
		1·35·00	1·35·30	+	25·0	25·2	0·2	14 9		
		1·36·00	1·36·30	⊙	9·8	24·8	15·0	—		
	2·33·15	2·30·00	2·30·30	⊙	8·2	22·8	14·6	—	14·5	⊙ clear.
		2·31·00	2·31 30	+	24·8	25·0	0.2	14·6		
		2·32·00	2 32·30	⊙	12·8	27 8	15·0	14·6		
		2·33·00	2·33·30	+	30·2	30.8	0·6	14·4		
		2·34·00	2·34·30	⊙	16·0	31·0	15·0	14·5		
		2·35·00	2·35·30	+	33·0	33·4	0·4	14·6		
		2·36·00	2·36·30	⊙	16·8	31·8	15·0	—		
	3·33·15	3·30·00	3·30·30	⊙	10·0	21·0	11·0	—	12·3	⊙ partly clouded by \⌐.
		3·31·00	3·31·30	+	21·0	20·0	- 1·0	12·1		
		3·32·00	3·32·30	⊙	12·4	23·6	11·2	12·1		
		3·33·00	3·33·30	+	24·0	23·2	- 0·8	12·3		
		3·34·00	3·34·30	⊙	17·2	29·0	11·8	12·5		
		3·35·00	3·35·30	+	29·6	29·0	- 0·6	12·3		
		3·36·00	3·36·30	⊙	14·2	25·8	11·6	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Terminal.	Exposure, sun or shade + ⊙	Readings. A. Initial.	B. Terminal.	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
DEC. 16TH, 1846.	4·33·15	4·30·00	4·30·30	⊙	42·8	44·2	1·4	—	3·1	⊙ clouded by ∿.
		4·31·00	4·31·30	+	42·6	40·6	– 2·0	2·7		
		4·32·00	4·32·30	⊙	40·0	40·0	0·0	2·4		
		4·33·00	4·33·30	+	38·0	35·2	– 2·8	3·5		
		4·34·00	4·34·30	⊙	36·8	38·2	1·4	3·9		
		4·35·00	4·35·30	+	37·0	34·8	– 2·2	3·1		
		4·36·00	4·36·30	⊙	34·5	34·9	0·4	—		
DECEMBER 17TH, 1846.	7·33·15	7·30·00	7·30·30	⊙	2·0	7·0	5·0	—	3·7	Fleecy ⌒\ over the ⊙.
		7·31·00	7·31·30	+	8·2	9·2	1·0	3·8		
		7·32·00	7·32·30	⊙	13·2	17·8	4·6	3·7		
		7·33·00	7·33·30	+	19·2	20·0	0·8	3·5		
		7·34·00	7·34·30	⊙	23·2	27·2	4·0	3·1		
		7·35·00	7·35·30	+	28·0	29·0	1·0	4·5		
		7·36·00	7·36·30	⊙	9·3	16·4	7·1	—		∿ over the ⊙.
	8·33·15	8·30·00	8·30·30	⊙	12·3	25·5	13·2	—	11·1	∿ over the ⊙.
		8·31·00	8·31·30	+	28·2	30·5	2·3	10·8		
		8·32·00	8·32·30	⊙	42·2	55·2	13·0	10·8		
		8·33·00	8·33·30	+	58·0	60·0	2·0	11·6		
		8·34·00	8·34·30	⊙	12·2	26·5	14·3	12·1		∿ around the ⊙.
		8·35·00	8·35·30	+	28·8	31·2	2·4	12·2		∿ over the ⊙
		8·36·00	8·36·30	⊙	12·0	25·0	13·0	—		
	9·33·15	9·30·00	9·30·30	⊙	5·0	17·9	12·9	—	12·7	
		9·31·00	9·31·30	+	20·3	21·8	1·5	12·3		
		9·32·00	9·32·30	⊙	29·2	44·0	14·8	13·5		
		9·33·00	9·33·30	+	46·3	47·5	1·2	12·7		Occasional light fleecy clouds over ⊙.
		9·34·00	9·34·30	⊙	7·9	21·0	13·1	12·0		
		9·35·00	9·35·30	+	24·0	25·0	1·0	13·1		
		9·36·00	9·36·30	⊙	11·0	26·2	15·2	—		
	10·33·15	10·30·00	10·30·30	⊙	6·3	22·0	15·7	—	14·9	
		10·31·00	10·31·30	+	25·0	26·1	1·1	15·0		
		10·32·00	10·32·30	⊙	13·0	29·5	16·5	15·0		
		10·33·00	10·33·30	+	33·9	35·9	2·0	14·8		⊙ clear.
		10·34·00	10·34·30	⊙	2·0	19·2	17·2	15·2		
		10·35·00	10·35·30	+	22·5	24·5	2·0	14·6		
		10·36·00	10·36·30	⊙	6·8	22·8	16·0	—		
	11·33·15	11·30·00	11·30·30	⊙	12·0	27·5	15·5	—	14·2	⊙ clouded by L. F. clouds during the three last observations.
		11·31·00	11·31·30	+	32·0	33·0	1·0	15·1		
		11·32·00	11·32·30	⊙	11·2	28·0	16·8	15·1		
		11·33·00	11·33·30	+	30·5	32·9	2·4	13·8		
		11·34·00	11·34·30	⊙	14·8	30·5	15·7	13·7		
		11·35·00	11·35·30	+	33·6	35·3	1·7	13·1		
		11·36·00	11·36·30	⊙	52·0	66·0	14·0	—		
	12·33·15	12·30·00	12·30·30	⊙	2·0	18·0	16·0	—	15·9	
		12·31·00	12·31·30	+	20·8	21·0	0·2	16·3		
		12·32·00	12·32·30	⊙	8·0	25·0	17·0	16·4		
		12·33·00	12·33·30	+	27·0	28·0	1·0	16·0		\i over ⊙.
		12·34·00	12·34·30	⊙	13·0	30·0	17·0	15·5		
		12·35·00	12·35·30	+	32·5	34·5	2·0	15·1		
		12·36·00	12·36·30	⊙	3·0	20·2	17·2	—		
	1·33·15	1·30·00	1·30·30	⊙	11·0	24·5	13·5	—	14·9	
		1·31·00	1·31·30	+	25·0	24·7	– 0·3	14·4		
		1·32·00	1·32·30	⊙	13·0	27·8	14·8	14·9		
		1·33·00	1·33·30	+	28·0	28·0	0·0	15·1		⊙ clouded by \.
		1·34·00	1·34·30	⊙	15·0	30·3	15·3	15·1		
		1·35·00	1·35·30	+	32·0	32·4	0·4	14·9		
		1·36·00	1·36·30	⊙	18·8	34·0	15·2	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Terminal.	Exposure, sun ⊙ or shade +	Readings. A. Initial.	B. Terminal	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
DECEMBER 17th, 1846.		2·30·00	2·30·30	⊙	13·7	27·2	13·5	—		
		2·31·00	2·31·30	+	29·0	28·8	– 0·2	14·2		
		2·32·00	2·32·30	⊙	18·8	33·2	14·4	14.5		
	2.33.15	2·33·00	2·33·30	+	34·4	34·4	0·0	14·7	14·6	⊙ clouded by \.
		2·34.00	2·34·30	⊙	18·2	33·2	15·0	15·0		
		2·35·00	2 35·30	+	35·2	35·2	0·0	14.5		
		2·36·00	2·36·30	⊙	15·6	29·6	14·0	—		
		3·30.00	3·30·30	⊙	11·0	22·4	11·4	—		
		3·31.00	3·31·30	+	22·9	21·7	- 1·2	12·7		
		3·32·00	3·32·30	⊙	14·0	25·7	11·7	13·1		
	3·33·15	3·33·00	3·33·30	+	25·7	21·2	- 1·5	12·7	12·6	⊙ clouded by \_
		3.34·00	3·34·30	⊙	15·0	25·7	10·7	12·3		
		3·35·30	3·35·00	+	25·7	24·0	- 1·7	12·4		
		3·36·30	3·36·00	⊙	13·2	23·8	10·6	—		
		4·30·00	4·30·30	⊙	10·0	16·7	6·7	—		
		4.31·00	4·31·30	+	16·7	15·9	- 0·8	7·3		
		4·32·00	4·32·30	⊙	21·0	27·4	6·4	7·7		
	4·33·15	4·33.00	4·33·30	+	26·7	25·0	- 1·7	7·8	7·6	⊙ clouded by \_.
		4·34·00	4·34·30	⊙	13·2	19·0	5·8	7·5		
		4·35·00	4·35·30	+	18·1	16·4	- 1·7	7·5		
		4·36·00	4.36·30	⊙	22·0	27·8	5·8	--		
DECEMBER 18th, 1846.		7·30·00	7 30·30	⊙	4·3	12·3	8·0	—		Dense \ over the ⊙
		7.31·00	7.31·30	+	13·5	14·2	0·7	7·3		
		7·32·00	7·32·30	⊙	7·2	15·2	8·0	6·6		
	7 33.15	7·33·00	7·33·30	+	17·0	18·1	1·1	6·8	6·6	
		7·34·00	7·34·30	⊙	8·5	16·8	8·3	7·1		
		7·35·00	7·35·30	+	18·0	19·2	1·2	6·9		
		7·36·00	7·36·30	⊙	4·8	12·8	8·0	—		
		8·30·00	8·30·30	⊙	7·4	19·5	12·1	—		
		8·31·00	8 31·30	+	21·9	24·0	2·1	10·3		
		8·32·00	8·32·30	⊙	14·5	27·3	12·8	9·8		
	8·33·15	8·33·00	8·33·30	+	29·5	31·3	1·8	10·9	10·6	⊙ a little hazy
		8·34·00	8·34.30	⊙	11·6	24·2	12·6	10·9		
		8·35·00	8·35·30	+	26·8	28·3	1·5	11·0		
		8·36·00	8·36·30	⊙	10·8	23·3	12·5	—		
		9·30·00	9·30·30	⊙	5 0	18·0	13·0	—		
		9·31.00	9·31·30	+	19·6	21·0	1·4	12·0		
		9·32·00	9·32·30	⊙	2·8	16 6	13·8	12·4		
	9·33·15	9·33.00	9·33·30	+	18·5	20·0	1·5	12·0	12·0	⊙ clear.
		9·34·00	9·34·30	○	9·8	23 0	13 2	11·6		
		9·35·00	9·35·30	+	26·0	27·8	1·8	12·1		
		9·36·00	9.36·30	⊙	5 5	20·2	14·7	—		
		10·30·00	10·30·30	⊙	23·0	39·0	16·0	—		
		10·31·00	10.31·30	+	42·0	44·5	2·5	13·5		
		10·32·00	10·32·30	⊙	15·0	31·0	16·0	13·5		
	10·33·15	10·33·00	10·33·30	+	45·0	47·5	2·5	13·7	13.9	⊙ clear: light fleecy ⌒s very near ⊙ on the South side.
		10·34·00	10·34·30	⊙	13·5	30·0	16·5	14·2		
		10·35·00	10·35·30	+	33·9	36·0	2·1	14·4		
		10·36·00	10·36·30	⊙	16·9	33·5	16·6	—		
		11·30·00	11·30·30	⊙	8·5	22·0	13·5	—		
		11·31·00	11·31·30	+	35·0	36·0	1·0	12·6		
		11·32·00	11·32·30	⊙	4·8	18·5	13·7	12·6		
	11·33·15	11·33.00	11·33·30	+	22·0	23·3	1·3	13·3	13·5	⊙ clear
		11·34·00	11·34·30	⊙	11·0	26·6	15·6	14·2		
		11·35·00	11·35·30	+	29·5	31·0	1·5	14·6		
		11.36·00	11·36·30	⊙	8·9	25·5	16·6	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Time of Observation. Bombay, 1846. Terminal.	Exposure, sun or shade. ⊙ +	Readings. A. Initial.	Readings. B. Terminal.	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
DECEMBER 18TH, 1846.	12·33·15	12·30·00	12·30·30	⊙	7·5	24·3	16·8	—	16·1	⊙ clear.
		12·31·00	12·31·30	+	25·5	26·3	0·8	16·3		
		12·32·00	12·32·30	⊙	17·0	34·4	17·4	16·5		
		12·33·00	12·33·30	+	36·2	37·2	1·0	16·2		
		12·34·00	12·34·30	⊙	9·0	26·0	17·0	15.9		
		12·35·00	12·35·30	+	28·8	30·0	1·2	15·8		
		12·36·00	12·36·30	⊙	16·2	33·2	17·0	—		
	1·33·15	1·30·00	1·30·30	⊙	11·8	25·4	13·6	—	13·7	⊙ clear.
		1·31·00	1·31·30	+	26·8	27·0	0·2	13·7		
		1·32·00	1·32.30	⊙	17·4	31·6	14·2	13·7		
		1·33·00	1·33·30	+	33·6	34·4	0·8	13·8		
		1·34·00	1·34·30	⊙	16·0	31·0	15·0	13·9		
		1·35.00	1.35·30	+	33·4	34·8	1·4	13·6		
		1·36·00	1·36·30	⊙	17·8	32·8	15·0	—		
	2·33·15	2·30·00	2·30·30	⊙	10·0	24·8	14·8	—	14·4	⊙ clear.
		2·31·00	2·31·30	+	26·8	27·8	1·0	13·9		
		2·32·00	2·32·30	⊙	16·6	31·6	15·0	14·3		
		2·33·00	2·33·30	+	33·0	33·4	0·4	14·6		
		2·34·00	2·34·30	⊙	19·0	34·0	15·0	14·8		
		2·35·00	2·35·30	+	35·0	35·0	0·0	14·6		
		2·36·00	2·36·30	⊙	13·2	27·4	14·2	—		
	3·33·15	3·30·00	3·30·30	⊙	7·4	18·4	11·0	—	11·7	⊙ in contact with thin ∖.
		3·31·00	3·31·30	+	18·5	18.0	- 0·5	11·5		
		3·32·00	3·32·30	⊙	14·4	25·4	11·0	11·6		
		3·33·00	3·33·30	+	25·4	24·7	- 0.7	11·8		
		3·34·00	3·34·30	⊙	12·2	23·4	11·2	11·8		
		3·35·00	3·35·30	+	23·6	23·0	- 0·6	11·9		
		3·36·00	3·36·30	⊙	13·8	25·2	11·4	—		
	4·33·15	4·30·00	4·30·30	⊙	11·8	19·0	7·2	—	8·2	⊙ clear.
		4·31·00	4·31·30	+	18·3	17·0	- 1·3	8·4		
		4·32·00	4·32·30	⊙	23·4	30·4	7·0	8·4		
		4·33.00	4·33·30	+	29·3	27·9	- 1·4	8·3		
		4·34·00	4·34·30	⊙	10·0	16·8	6·8	8·1		
		4·35·00	4·35·30	+	16·3	15·0	- 1·3	7·8		
		4·36·00	4·36·30	⊙	20·6	26·8	6·2	—		
DECEMBER 19TH, 1846.	7·33·15	7·30·00	7·30·30	⊙	9·4	18·2	8·8	—	7·8	⊙ hazy
		7·31·00	7·31·30	+	20·2	21·8	1·6	7·2		
		7·32·00	7·32·30	⊙	8·0	16·8	8·8	7·5		
		7·33·00	7·33·30	+	18.0	19·0	1·0	8·0		
		7·34·00	7·34·30	⊙	7·0	16·2	9·2	8·2		
		7·35·00	7·35·30	+	17·5	18·5	1·0	8·1		
		7·36·00	7·36·30	⊙	8·0	17·0	9·0	—		
	8·33.15	8·30·00	8·30·30	⊙	12·5	24·6	12·1	—	11·2	⊙ clear
		8·31·00	8·31·30	+	26.8	28·2	1·4	10·9		
		8·32·00	8·32·30	⊙	10·6	23·2	12·6	11·1		
		8·33·00	8·33·30	+	24·9	26·5	1·6	11·0		
		8·34·00	8·34·30	⊙	12·5	25·2	12·7	11·3		
		8·35·00	8·35·30	+	27·0	28·2	1·2	11·6		
		8·36.00	8·36·30	⊙	11·3	24·2	12·9	—		
	9·33·15	9·30·00	9·30·30	⊙	1·8	8·0	6·2	—	5·2	⊙ clouded by ⌒i.
		9·31·00	9·31·30	+	9·0	10·5	1·0	5·1		
		9·32·00	9·32·30	⊙	5·5	11·5	6·0	5·0		
		9·33·00	9·33·30	+	12·0	13·1	1·1	5·1		
		9·34·00	9·34·30	⊙	4·6	11·0	6·4	5·4		
		9·35·00	9·35·30	+	12·0	13·0	1·0	5·6		
		9·36·00	9·36·30	⊙	2·2	9·0	6·8	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Terminal.	Exposure, sun or shade. ⊙ +	Readings. A. Initial.	B. Terminal.	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
DECEMBER 19TH, 1846.	10·33·15	10·30·00	10·30·30	⊙	4·8	14·0	9·2	—	13·0	⊙ Clouded by fleecy clouds.
		10·31·00	10·31·30	+	15·0	16·5	1·5	11·6		
		10·32·00	10·32·30	⊙	11·0	28·0	17·0	15·1		
		10·33·00	10·33·30	+	30·2	32·5	2·3	13·4		
		10·34·00	10·34·30	⊙	13·5	28.0	14·5	12·9		
		10·35·00	10·35·30	+	30·0	31·0	1.0	12·2		
		10·36·00	10·36·30	⊙	13·0	25·0	12·0	—		
	11·33·15	11·30·00	11 30·30	⊙	2·0	18·8	16·8	—	15·3	Thin ∿i over ⊙.
		11·31·00	11·31·30	+	22 0	24 0	2·0	14·6		
		11·32·00	11·32·30	⊙	3·0	19·5	16·5	14·6		
		11·33.00	11·33·30	+	20·1	22·0	1·9	15·1		
		11·34·00	11·34·30	⊙	19·4	37·0	17·6	15.7		
		11·35·00	11·35·30	+	39·4	41·3	1·9	16·6		
		11·36·00	11·36·30	⊙	0·0	19·5	19·5	—		
	12·33·15	12·30·00	12·30·30	⊙	6·0	23·0	17·0	—	16·3	⊙ Clouded by ∿i.
		12·31·00	12·31·30	+	26·5	28·8	2·3	16·4		
		12·32·00	12·32·30	⊙	14·0	34·5	20·0	18·2		
		12·33·00	12·33·30	+	36·6	39·0	2.4	16·3		
		12·34·00	12·34·20	⊙	14·0	31·0	17·0	14·3		
		12·35·00	12·35·30	+	35·5	38·5	3·0	16·4		
		12·36·00	12·36·30	⊙	57·0	78·8	21·8	—		
	1·33·15	1·30·00	1·30·30	⊙	9·8	20·8	11·0	—	9·8	⊙ clouded by ∿.
		1·31·00	1·31·30	+	21·7	22·0	0·3	9·5		
		1·32·00	1·32·30	⊙	13·4	22·0	8·6	8·0		
		1·33·00	1·33·30	+	23·0	23.9	0·9	9·4		
		1·34·00	1·34·30	⊙	12·8	24·8	12·0	11·0		
		1·35·00	1·35·30	+	26·0	27·2	1·2	11·3		
		1·36·00	1·36·30	⊙	18·0	31·0	13·0	—		
	2·33·15	2·30·00	2·30·30	⊙	11·0	21·0	10·0	—	13·7	⊙ clouded by ∿.
		2·31·00	2·31·30	+	20·5	19·3	- 1·2	13·9		
		2·32·00	2·32·30	⊙	16·3	31·7	15·4	16·2		
		2·33·00	2·33·30	+	32·0	31·5	- 0·5	14·7		
		2·34·00	2·34·30	⊙	19·8	32·8	13·0	13·3		
		2·35·00	2·35·30	+	33·0	32·8	- 0·2	10·2		
		2·36·00	2·36·30	⊙	15·8	22·8	17·0	—		
	3·33·15	3·30·00	3·30·30	⊙	13·0	19·0	6·0	—	8·6	⊙ clouded by ∿.
		3·31·00	3 31·30	+	18·2	17·0	- 1·2	6·4		
		3·32·00	3·32·30	⊙	10·6	15·0	4·4	5 9		
		3·33·00	3·33·30	+	14·3	12·5	- 1·8	8·2		
		3·34·00	3·34·30	⊙	9·5	17·8	8·3	10·0		
		3·35·00	3·35·30	+	16·7	15·0	- 1·7	12·3		
		3·36·00	3·36·30	⊙	19·0	31·8	12·3	—		
DEC. 21ST, 1846.	7·33·15	7·30·00	7·30·30	⊙	7·7	16·4	8·7	—	7·2	Thick mist over the ⊙
		7·31·00	7·31·30	+	17·2	19·2	2·0	6·6		
		7·32·00	7·32·30	⊙	7·8	16·4	8·6	7·1		
		7·33·00	7·33·30	+	17·2	18·2	1·0	7·4		
		7·34·00	7·34·30	⊙	25 9	34·2	8·3	7·1		
		7·35 00	7·35·30	+	35·5	36·8	1·3	7·4		
		7·36.00	7·36·30	⊙	8·8	15·0	9·2	—		
	8·33·15	8·30·00	8·30·30	⊙	3·0	11·4	11·4	—	10·3	Thick mist over the ⊙
		8·31·00	8·31·30	+	16·2	17·9	1·7	9·9		
		8·32·00	8·32·30	⊙	12·6	21·5	11·9	10·3		
		8·33·00	8·33·30	+	27·0	28.5	1·5	10·3		
		8·34·00	8·34·30	⊙	12·3	24·7	12·4	10·6		
		8·35·00	8·35·30	+	27·4	29·4	2·0	10·2		
		8·36·00	8·36.30	⊙	12 3	24·4	12·1	—		

ACTINOMETER.

Date. Bombay Civil Time.		Time of Observation, Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
DECEMBER 21st, 1846.	9·33·15	9·30·00	9·30·30	⊙	6·0	19·0	13.0	—	12·6	⊙ clear.
		9·31·00	9·31·30	+	21·0	22·0	1·0	12·4		
		9·32·00	9·32·30	⊙	10·0	23·9	13·9	12·7		
		9·33·00	9·33·30	+	26·0	27·5	1·5	12·5		
		9·34·00	9·34·30	⊙	11·8	25·9	14·1	12·5		
		9·35·00	9·35·30	+	28·2	30·0	1·8	12·8		
		9·36·00	9·36·30	⊙	11·8	27·0	15·2	—		
	10·33·15	10·30·00	10·30·30	⊙	14·0	30·0	16·0	—	15·4	⊙ clear.
		10·31·00	10·31·30	+	32·2	34·0	1·8	14·7		
		10.32·00	10·32·30	⊙	13·0	30·0	17·0	14·9		
		10·33·00	10·33·30	+	33·5	36·0	2·5	15·0		
		10·34·00	10·34·30	⊙	16·0	34·0	18·0	15·9		
		10·35·00	10·35·30	+	37·5	39 3	1·8	16·4		
		10·36·00	10·36·30	⊙	14·0	32·5	18·5	—		
	11·33·15	11·30 00	11·30·30	⊙	2·0	20·0	18·0	—	17·6	⊙ clear.
		11·31·00	11·31·30	+	21·0	22·2	1·2	17·8		
		11·32·00	11·32·30	⊙	12·0	32·0	20·0	18·3		
		11·33·00	11·33·30	+	34·3	36·6	2·3	17·1		
		11·34·00	11·34·30	⊙	14·0	32·9	18·9	17·3		
		11·35·00	11·35·30	+	35·0	36·0	1·0	17·4		
		11·36·00	11·36·30	⊙	7·3	25.3	18·0	—		
	12·33·15	12·30.00	12·30·30	⊙	6·8	22·2	15·4	—	16·8	⊙ clear.
		12·31·00	12·31·30	+	23·0	23·0	3·0	16·6		
		12·32·00	12·32·30	⊙	16·0	33·8	17·8	17·3		
		12·33·00	12·33·30	+	36·0	37·0	1·0	16·8		
		12·34·00	12·34·30	⊙	13·3	31·2	17·9	16·7		
		12·35·00	12.35·30	+	33·7	35·2	1·5	16·8		
		12·36·00	12·36·30	⊙	15·0	33·8	18·8	—		
	1·33·15	1·30·00	1·30·30	⊙	2·0	17·0	15.0	—	15·3	⊙ clear.
		1·31·00	1·31·30	+	18·2	18·4	0·2	15·3		
		1·32·00	1·32·30	⊙	17·8	33·8	16·0	15.2		
		1·33·00	1·33·30	+	36·3	37·8	1·5	15·0		
		1·34·00	2·34·30	⊙	11·0	28·0	17·0	15·4		
		1·35·00	1·35·20	+	30·8	32 4	1·6	15·7		
		1·36·00	1·36·30	⊙	14·4	32·0	17·6	—		
	2·33·15	2·30·00	2·30·30	⊙	15·8	29·6	13·8	—	13·1	⊙ clear.
		2·31·00	2·31·30	+	31·2	32·0	0·8	13·3		
		2·32·00	2·32·30	⊙	15·6	30·0	14·4	13·5		
		2·33·00	2·33·30	+	32·0	33·0	1·0	13·2		
		2·34.09	2·34·30	⊙	16·3	30·3	14·0	12·8		
		2·35·00	2·35·30	+	32·5	33·9	1·4	12·9		
		2·36·00	2·36·30	⊙	18·4	33·0	14·6	—		
	3·33·15	3·30·00	3·30·30	⊙	9·6	20·2	10·6	—	11·7	⊙ clear.
		3·31·00	3 31·30	+	21·3	20·7	- 0·6	11·5		
		3·32·00	3·32·30	⊙	15·6	26·8	11·2	11·7		
		3·33·00	3·33·30	+	27·7	27·3	- 0·4	11·7		
		3·34·00	3·34·30	⊙	17·2	28·7	11·5	11·8		
		3·35·00	3·35·30	+	29·5	29·3	- 0·2	11·7		
		3·36·00	3·36·30	⊙	14·2	25·6	11·4	—		
	4·33·15	4·30·00	4·30·30	⊙	13·0	20·0	7·0	—	7·8	⊙ clear.
		4·31·00	4·31·30	+	19·6	18·2	- 1·4	8·1		
		4·32·00	4·32·30	⊙	14.8	21·2	6·4	7·8		
		4·33·00	4·33·30	+	20·8	19·4	- 1·4	7·7		
		4·34·00	4·34·30	⊙	15·8	22.0	6·2	7·7		
		4·35.00	4·35·30	+	22·0	20·4	- 1·6	7·8		
		4·36·00	4·36·30	⊙	12·4	18·6	6·2	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Time of Observation. Bombay, 1846. Terminal.	Exposure, sun or shade. ⊙ +	Readings. A. Initial.	Readings. B. Terminal.	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
DECEMBER 22ND, 1846.	7·33·15	7·30 00	7·30·30	⊙	6.4	14·5	8·1	—	7·7	Thick mist over the ⊙
		7·31·00	7·31·30	+	16·0	17·0	1·0	7·4		
		7·32·00	7·32·30	⊙	4·3	12·5	8·3	7·3		
		7·33·00	7·33·30	+	14·0	15·0	1·0	7·5		
		7·34·00	7·34·30	⊙	6·4	15·2	8·8	8·0		
		7·35.00	7·35·30	+	17·0	17·5	0·5	8·4		
		7·36·00	7·36·30	⊙	8·2	17·2	9·0	—		
	8.33·15	8·30·00	8·30·30	⊙	37·0	48·0	11·0	—	11·3	Thick mist over the ⊙.
		8·31·00	8·31·30	+	51·0	51·4	0·4	11·5		
		8·32·00	8·32·30	⊙	10·3	23·2	12·9	11·3		
		8·33·00	8·33·30	+	25·2	27·0	1·8	11·1		
		8.34·00	8·34·30	⊙	10·3	23·2	12·9	11·1		
		8·35·00	8·35·30	+	25.3	27·0	1·7	11·4		
		8·36·00	8.36·30	⊙	8·5	21·9	13 4	—		
	9·33·15	9·30·00	9·30·30	⊙	12·0	25·0	13·0	—	13.1	⊙ clear
		9·31·00	9·31·30	+	26·5	28·0	1.5	12·0		
		9·32·00	9·32·30	⊙	39·1	53·0	13·9	12·7		
		9·33·00	9·33·30	+	55·5	56·5	1·0	13·4		
		9·34·00	9·34·30	⊙	8·0	23·0	15·0	13·8		
		9·35·00	9·35·30	+	27·0	28·5	1·5	13·6		
		9·36·00	9·36·30	⊙	7·8	23·0	15·2	—		
	10·33·15	10·30·00	10·30·30	⊙	1·0	17·0	16·0	—	14·5	⊙ clear.
		10·31·00	10·31·30	+	22·0	23·0	1·0	15·0		
		10·32·00	10·32·30	⊙	6·0	22·0	16·0	15·0		
		10·33·00	10·33·30	+	24·0	25·0	1·0	14·6		
		10·34·00	10·34·30	⊙	14·8	30·0	15·2	14·0		
		10·35.00	10·35·30	+	33·0	34·5	1·5	13·8		
		10·36·00	10·36·30	⊙	16·0	31·5	15·5	—		
	11·33·15	11·30·00	11·30·30	⊙	16·0	30·6	14·6	—	15 2	⊙ clear.
		11·31·00	11·31·30	+	32·4	33·3	0·9	14·4		
		11·32·00	11·32·30	⊙	12·0	28·0	16·0	14·7		
		11·33·00	11.33·30	+	31·5	33·3	1·8	15·1		
		11·34·00	11·34·30	⊙	15·0	32·9	17·9	15·9		
		11·35·00	11·35·30	+	36·0	38·2	2·2	16·0		
		11·36·00	11·36·30	⊙	13·9	32·5	18·6	—		
	12·33·15	12·30·00	12·30·30	⊙	25·0	43·2	18·2	—	15·7	⊙ clear
		12·31·00	12·31·30	+	47·7	50·8	3·1	15·4		
		12·32·00	12·32·30	⊙	12·8	31·5	18·7	15·4		
		12·33·00	12·33·30	+	36·0	39·5	3·5	15·6		
		12·34·00	12·34·30	○	19·0	38·5	19·5	16·2		
		12·35·00	12·35·30	+	43·0	46·1	3·1	15·7		
		12·36·00	12·36·30	⊙	17·4	35·5	18·1	—		
	1·33·15	1·30·00	1·30·00	⊙	9·0	23·4	14·4	—	14·6	⊙ clear
		1·31·00	1·31·30	+	25·3	25·8	0·5	14·7		
		1·32·00	1·32·30	⊙	16·0	32·0	16·0	14·9		
		1·33·00	1·33·30	+	34·4	36·0	1·6	14·4		
		1·34·00	1·34.30	⊙	18·0	34·0	16·0	14·3		
		1·35·00	1·35·30	+	37·0	38·8	1·8	14·6		
		1·36·00	1·36·30	⊙	18·0	34·8	16·8	—		
	2·33·15	2.30·00	2·30·30	⊙	12·4	27·6	15·2	—	15·4	⊙ clear.
		2·31·00	2·31·30	+	27·9	27·9	0·0	15·4		
		2·32 00	2·32·30	⊙	16·3	32·0	15·7	15·7		
		2·33·00	2·33·30	+	31·0	34·0	0·0	15·5		
		2·34·00	2·34·30	⊙	14·4	29·6	15.2	15·2		
		2·35·00	2·35·30	+	30·3	30·3	0·0	15·4		
		2·36·00	2·36·30	⊙	19·2	31·8	15·6	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun or shade. ⊙ +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
DECEMBER 22ND, 1846.	3.33.15	3·30·00	3·30·30	⊙	14·0	24·7	10·7	—	11·5	⊙ clear.
		3·31·00	3·31·30	+	25·1	24·5	- 0·6	11·4		
		3·32·00	3·32·30	⊙	13·7	24·7	11·0	11·5		
		3·33·00	3·33·30	+	25·2	24 8	- 0·4	11·4		
		3·34.00	3·34·30	⊙	12·0	23·0	11·0	11·6		
		3·35·00	3 35·30	+	23·7	23·0	- 0·7	11·4		
		3·36·00	3·36·30	⊙	16·0	26·4	10·4	—		
	4·33·15	4·30.00	4·30·30	⊙	13·4	20·6	7·2	—	7·7	⊙ clear.
		4·31.00	4·31·30	+	22·2	22·0	- 0·2	7·3		
		4·32·00	4·32·30	⊙	12·0	19·0	7·0	7·6		
		4·33·00	4·33·30	+	19·1	18·1	- 1·0	7·8		
		4·34·00	4·34·30	⊙	9·0	15·7	6·7	7·9		
		4·35·00	4·35·30	+	14·8	13·5	- 1·3	7·8		
		4·36·00	4·36·30	⊙	18·8	25·0	6·2	—		
DECEMBER 23RD, 1846.	7·33·15	7·30·00	7·30·30	⊙	12·0	21·5	9·5	—	8·0	Thick mist over the ⊙.
		7.31·00	7·31·30	+	23·2	24·5	1·3	7·9		
		7·32·00	7·32·30	⊙	33·0	42·0	9·0	7·4		
		7·33.00	7·33·30	+	43·8	45·7	1·9	8·0		
		7·34·00	7·34·30	⊙	6·2	16·3	9·9	8·2		
		7·35·00	7·35·30	+	18·0	19·5	1·5	8·4		
		7·36·00	7.36·30	⊙	8·2	18·2	10·1	—		
	8·33.15	8·30·00	8 30·30	⊙	7·8	21·0	13·2	—	11·2	⊙ a little hazy.
		8.31·00	8.31·30	+	23·8	25·8	2.0	11·4		
		8·32·00	8·32·30	⊙	11·2	24·8	13·6	11·3		
		8·33·00	8·33·30	+	27·2	29·8	2·6	11·0		
		8·34·00	8·34·30	⊙	12·5	26·2	13·7	11·0		
		8·35·00	8·35·30	+	28·2	31·0	2·8	11·1		
		8·36·00	8·36·30	⊙	12.3	26·5	14·2	—		
	9·33·15	9·30·00	9·30·30	⊙	44·5	57·0	12·5	—	12·9	⊙ clear.
		9·31·00	9 31·30	+	59.7	60·9	1·2	12·0		
		9·32·00	9·32·30	⊙	4·0	18·8	14·0	12·4		
		9·33·00	9·33·30	+	21·0	23·0	2·0	12·6		
		9·34·00	9·34.30	⊙	11·8	27·0	15·2	13·5		
		9·35·00	9·35·30	+	34·5	36·0	1·5	13·9		
		9·36·00	9·36·30	⊙	7·9	23·5	15·6	—		
	10·33·15	10·30·00	10·30·30	⊙	6·0	22·0	16·0	—	14·1	⊙ clear
		10·31.00	10·31·30	+	25·0	27·0	2·0	14·2		
		10·32·00	10·32·30	⊙	0·0	16·5	16·5	14·4		
		10·33.00	10·33·30	+	19·0	21·2	2·2	14·3		
		10·34·00	10·34·30	⊙	16.0	32.5	16·5	14·0		
		10·35·00	10·35·30	+	37·0	39·8	2·8	13·5		
		10·36·00	10.36·30	⊙	17·8	34·0	16·2	—		
	11·33·15	11·30·00	11·30·30	⊙	16·0	30·7	14·7	—	15.2	⊙ clear.
		11·31·00	11.31·30	+	32·5	33·9	1·4	14·1		
		11·32·00	11·32·30	⊙	12·8	29·2	16·4	15·0		
		11·33·00	11·33·30	+	31·5	33·0	1·5	15·4		
		11·34·00	11·34·30	⊙	16·0	33·5	17·5	15·6		
		11·35·00	11·35·30	+	38·0	40·3	2.3	15·7		
		11·36·00	11·36·30	⊙	15·0	33·5	18·5	—		
	12·33·15	12·30·00	12·30·30	⊙	20·2	36·0	15·8	—	15·2	⊙ clear.
		12·31·00	12·31·30	+	38·0	40·0	2·0	14·9		
		12·32·00	12·32·30	⊙	8·0	26·0	18·0	15·6		
		12·33.00	12·33·30	+	29·7	32·5	2·8	15·3		
		12·34·00	12·34·30	⊙	16·0	34·2	18·2	15·1		
		12·35·00	12·35·30	+	38·5	42·0	3·5	15·3		
		12.36·00	12·36·30	⊙	16·0	35·5	19·5	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Time of Observation. Bombay, 1846. Terminal.	Exposure, sun or shade. ⊙ +	Readings. A. Initial.	Readings. B. Terminal	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
DECEMBER 23RD, 1846.	1·33·15	1·30·00	1·30·30	⊙	19·8	35·2	15·4	—	14·8	⊙ clear.
		1·31·00	1·31·30	+	36·6	37·4	0·8	14·7		
		1·32·00	1·32·30	⊙	14·4	30·0	15·6	14·6		
		1·33·00	1·33·30	+	32·8	34·1	1·3	14·8		
		1·34·00	1·34·30	⊙	18·0	34·6	16.6	15·0		
		1·35·00	1·35·30	+	36·2	38·0	1·8	14·8		
		1·36·00	1·36·30	⊙	19·4	36·0	16·6	—		
	2·33·15	2·30·00	2·30·30	⊙	18·0	32·4	14·4	—	14·4	⊙ clear.
		2·31·00	2·31·30	+	34·0	34·2	0·2	14·4		
		2·32·00	2·32.30	⊙	16·2	31·0	14·8	14·6		
		2·33·00	2·33·30	+	32·6	32·9	0·3	14·4		
		2·34·00	2·34·30	⊙	17·4	32·0	14·6	14·2		
		2·35.00	2.35·30	+	33·4	33·8	0·4	14·4		
		2·36·00	2·36·30	⊙	17·7	32·7	15·0	—		
	3·33·15	3·30·00	3·30·30	⊙	15.0	26·8	11·8	—	12·8	⊙ clear.
		3·31·00	3·31·30	+	27·4	26·2	- 1·2	13·0		
		3·32·00	3·32·30	⊙	11·8	23·6	11·8	12·9		
		3·33·00	3·33·30	+	24·0	23·0	- 1·0	12·8		
		3·34·00	3·34·30	⊙	12·3	24·0	11·7	12·6		
		3·35·00	3·35·30	+	24·7	23·9	- 0·8	12·6		
		3·36·00	3·36·30	⊙	15·0	27·0	12·0	—		
	4·33·15	4·30·00	4·30·30	⊙	12·8	20·8	8·0	—	8·8	⊙ clear.
		4·31·00	4·31·30	+	21·0	20·0	- 1·0	8·9		
		4·32·00	4·32·30	⊙	13·0	20·8	7·8	8·9		
		4·33·00	4·33·30	+	21·2	20·0	- 1·2	8·9		
		4·34·00	4·34·30	⊙	13·2	20·8	7·6	8·7		
		4·35·00	4·35·30	+	21·0	20·0	- 1·0	8·6		
		4·36·00	4·36·30	⊙	13·0	20·5	7·5	—		
DECEMBER 25TH, 1846.	7·33·15	7·30·00	7·30·30	⊙	10·0	19·0	9·0	—	8·4	Thick mist over the ⊙
		7·31·00	7·31·30	+	21·0	22·2	1·2	8·0		
		7·32·00	7·32·30	⊙	8·0	17·5	9·5	8·4		
		7·33.00	7·33·30	+	19·0	20·0	1·0	8·5		
		7·34·00	7·34·30	⊙	9·0	18·5	9·5	8·4		
		7·35·00	7·35·30	+	20·0	21·2	1·2	8·5		
		7·36·00	7·36·30	⊙	30·0	40·0	10·0	—		
	8·33·15	8·30·00	8·30·30	⊙	10·2	22·2	12·0	—	11·7	⊙ clear.
		8·31·00	8·31·30	+	24·2	25·2	1·0	11·6		
		8·32·00	8·32·30	⊙	10·2	22·8	12·6	11·3		
		8·33·00	8·33·30	+	25·0	26·5	1·5	11·4		
		8·34·00	8·34·30	⊙	11·5	24·7	13·2	11·8		
		8·35·00	8·35·30	+	28·0	29·2	1·2	12·2		
		8·36·00	8·36·30	⊙	11·2	24·8	13·6	—		
	9·33.15	9·30·00	9·30·30	⊙	7·1	21·5	14·4	—	13·4	⊙ clear.
		9·31·00	9·31·30	+	25·5	27·0	1·5	12·9		
		9·32·00	9·32·30	⊙	8·0	22·5	14·5	12·8		
		9·33·00	9·33·30	+	26.0	28·0	2·0	13·2		
		9·34·00	9·34·30	⊙	13·0	29·0	16.0	13·9		
		9·35·00	9·35·30	+	31·8	34·0	2·2	14·3		
		9·36.00	9·36·30	⊙	7·0	24·0	17·0	—		
	10·33·15	10·30·00	10·30·30	⊙	11·0	27·5	16·5	—	14·6	⊙ clear.
		10·31·00	10·31·30	+	30·0	31·4	1·4	15·3		
		10·32·00	10·32·30	⊙	8·0	25·0	17·0	15.1		
		10·33·00	10·33·30	+	27·5	30·0	2·5	14·0		
		10·34·00	10·34·30	⊙	5·5	21·5	16·0	13·5		
		10·35·00	10·35·30	+	24·0	26·5	2·5	15·0		
		10·36·00	10·36·30	⊙	12·0	31·0	19·0	—		

ACTINOMETER.

	Date Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun or shade. + ⊙	Readings.		Change per ½ min. b—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
DECEMBER 25th, 1846.	11·33·15	11·30·00	11·30·30	⊙	1·0	17·9	16·9	—	15·6	⊙ clear.
		11·31·00	11·31·30	+	21·0	23·0	2·0	14·9		
		11·32·00	11·32·30	⊙	0·0	17·0	17·0	14·8		
		11·33·00	11·33·30	+	20·5	23·0	2·5	15·5		
		11·34·00	11·34·30	⊙	10·0	29.0	19·0	16·2		
		11·35·00	11·35·30	+	33·4	36·5	3·1	16·5		
		11·36·00	11·36·30	⊙	9·8	30·0	20·2	—		
	12·33·15	12·30·00	12·30·30	⊙	3·0	18·0	15·0	—	15·7	⊙ a little hazy.
		12·31·00	12·31·30	+	19·5	20·0	0·5	14·7		
		12.32·00	12·32·30	⊙	7·5	23·0	15·5	14·8		
		12·33·00	12·33·30	+	24·7	25·7	1 0	15·5		
		12·34·00	12·34·30	⊙	15·0	32·5	17·5	16·5		
		12·35·00	12·35·30	+	35·0	36·0	1·0	17·0		
		12·36·00	12·36·30	⊙	7 0	25·5	18·5	—		
	1·33·15	1·30 00	1·30·30	⊙	12·0	27 0	15·0	—	15·1	⊙ clear.
		1·31·00	1·31·30	+	27·8	27·8	0·0	15·5		
		1·32·00	1·32·30	⊙	15·6	31·6	16·0	15·5		
		1·33·00	1·33·30	+	33·6	34·6	1·0	15·0		
		1·34·00	1·34·30	⊙	18·4	34·4	16·0	14·7		
		1·35·00	1·35·30	+	37·2	38·8	1·6	14·6		
		1·36·00	1·36·30	⊙	18·2	34·6	16·4	—		
	2·33·15	2·30.00	2·30·30	⊙	13·6	27·8	14·2	—	14·2	⊙ clear.
		2·31·00	2·31·30	+	29·3	29·9	0·6	14·1		
		2·32·00	2·32·30	⊙	18·8	34·0	15·2	14·4		
		2·33·00	2·33·30	+	36·0	37·0	1·0	14.3		
		2·34·00	2·34·30	⊙	18·2	33·6	15·4	14·2		
		2·35·00	2.35·30	+	35·3	36·7	1·4	14·1		
		2·36·00	2·36·30	⊙	17·0	32·6	15·6	—		
	3·33·15	3·30·00	3·30·30	⊙	19·4	32·8	13·4	—	13·5	⊙ clear
		3·31·00	3·31·30	+	33·8	33·6	- 0·2	13·6		
		3·32·00	3·32·30	⊙	16·6	30·0	13·4	13·5		
		3·33·00	3·33·30	+	31·2	31·2	0·0	13·5		
		3·34·00	3·34·30	⊙	17·0	30·6	13·6	13·6		
		3·35·00	3·35·30	+	31·8	31·8	0·0	13·5		
		3·36·00	3·36·30	⊙	16·4	29·8	13·4	—		
	4·33·15	4·30·00	4·30·30	⊙	13·6	22·6	9·0	—	10·1	⊙ clear.
		4·31·00	4·31·30	+	22·4	21·0	- 1·4	10·3		
		4·32·00	4·32·30	⊙	14·0	22·8	8·8	10·1		
		4·33·00	4·33·30	+	23·0	21·8	- 1·2	10·0		
		4·34.09	4·34·30	⊙	13·0	21·8	8·8	10·0		
		4·35·00	4·35·30	+	21·8	20·6	- 1·2	9·9		
		4·36·00	4·36·30	⊙	15·8	24·4	8·6	—		
DECEMBER 26th, 1846.	7·33·15	7·30·00	7·30·30	⊙	5·4	13·0	7·6	—	7·4	Thick mist over the ⊙.
		7·31·00	7 31·30	+	13 9	14·2	0·3	7·4		
		7·32·00	7·32·30	⊙	5·4	13·2	7·8	7.5		
		7·33·00	7·33·30	+	13·9	14·2	0·3	7·6		
		7·34·00	7·34·30	⊙	5·5	13·5	8·0	7·5		
		7·35·00	7·35·30	+	16·2	16·8	0·6	7·4		
		7·36·00	7·36·30	⊙	6·0	14·0	8·0	—		
	8·33·15	8·30·00	8·30·30	⊙	12·4	24·2	11·8	—	10·8	Thin mist over the ⊙.
		8·31·00	8·31·30	+	26·0	27·2	1·2	10·8		
		8·32·00	8·32·30	⊙	9·0	21·2	2·2	10·8		
		8·33·00	8·33·30	+	23·0	24·5	1·5	10·7		
		8·34·00	8·34·30	⊙	9·2	21·5	12·3	10·8		
		8·35.00	8·35·30	+	23·9	25·6	1·7	10·8		
		8·36·00	8·36·30	⊙	10·5	23·2	12·7	—		

ACTINOMETER.

Date. Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Time of Observation. Bombay, 1846. Terminal.	Exposure, sun or shade. ⊙ +	Readings. A. Initial.	Readings. B. Terminal.	Change per ½ min. B−A.	Radiation in parts of Scale.	Mean.	Remarks.
H. M. S.	H. M. S.	H. M. S.							
DECEMBER 26th, 1846.	9·30 00	9·30·30	⊙	0·2	14.5	14·3	—		
	9·31·00	9·31·30	+	16·5	17·5	1·0	13·1		
	9·32·00	9·32·30	⊙	3·0	17·0	14·0	12·6		
9·33·15	9·33·00	9·33·30	+	19·2	21.0	1·8	12·6	13·0	⊙ clear.
	9·34·00	9·34·30	⊙	7·0	21·8	14·8	13·2		
	9·35.00	9·35·30	+	25·0	26·5	1·5	13·4		
	9·36·00	9·36·30	⊙	15·0	30·0	15·0	—		
	10·30·00	10·30·30	⊙	32·8	47·9	15·1	—		
	10·31·00	10·31·30	+	50·0	50·9	0·9	14·8		
	10·32·00	10·32·30	⊙	12·7	29·0	16·3	15·3		
10·33·15	10·33·00	10·33·30	+	52·8	54·0	1 2	16·0	15·6	⊙ clear.
	10.34·00	10·34·30	⊙	3·8	22·0	18·2	16·6		
	10·35·00	10·35·30	+	24·0	26·0	2·0	15·3		
	10·36·00	10.36·30	⊙	10.0	26·5	16·5	—		
	11·30·00	11·30·30	⊙	5·5	21·5	16·0	—		
	11·31·00	11·31·30	+	23·0	24·0	1·0	15·5		
	11·32·00	11·32·30	⊙	7·0	24·0	17·0	15·6		
11·33·15	11·33·00	11·33·30	+	25·2	27·0	1·8	15·1	15.5	⊙ clear.
	11·34·00	11·34·30	⊙	10.1	27·0	16·9	15.2		
	11·35·00	11·25·30	+	29·8	31·5	1·7	15·9		
	11·36·00	11·36·30	⊙	11·4	29·8	18·4	—		
	12·30·00	12·30·30	⊙	5·0	22·0	17·0	—		
	12·31·00	12·31·30	+	23·9	25·0	1·1	15·6		
	12·32·00	12·32·30	⊙	9·9	26·4	16·5	15·1		
12·33·15	12·33·00	12·33·30	+	28·8	30·5	1·7	15·7	15·8	⊙ clear.
	12·34·00	12·34·30	⊙	12·0	30·4	18·4	16·3		
	12·35.00	12·35·30	+	34·5	37·0	2·5	16·2		
	12·36·00	12·36·30	⊙	6·9	26·0	19·1	—		
	1·30·00	1·30·30	⊙	8·0	23·6	15.6	—		
	1·31·00	1·31·30	+	25 6	26·0	0·4	15·6		
	1·32·00	1·32·30	⊙	17·0	33·4	16·4	15·6		
1·33·15	1·33·00	1.33·30	+	35·4	36·6	1·2	15·5	15·7	⊙ clear.
	1·34·00	1·34·30	⊙	19·6	36·6	17 0	15·7		
	1·35·00	1·35·30	+	38·6	40·0	1·4	16·2		
	1·36·00	1·36·30	⊙	20·4	38·6	18·2	—		
	2·30·00	2·30·30	⊙	10·2	23 6	13·4	—		
	2·31·00	2·31·30	+	25·0	25·0	0·0	13·7		
	2·32·00	2·32·30	⊙	16·0	30·0	14·0	13·8		
2·33·15	2·33·00	2·33·30	+	31·8	32·2	0·4	14·9	14·6	⊙ clear.
	2·34·00	2·34·30	⊙	15·8	32·4	16·6	16·0		
	2·35·00	2·35·30	+	34·3	35·2	0·9	14·5		
	2·36·00	2·36·30	⊙	20.0	34·2	14·2	—		
	3·30·00	3·30·00	⊙	13·5	25·5	12·0	—		
	3·31·00	3·31·30	+	27·0	27·0	0·0	12·4		
	3·32·00	3·32·30	⊙	15·2	28·0	12·8	12·5		
3·33·15	3·33·00	3·33·30	+	29·6	30 2	0·6	12·3	12·4	⊙ clear.
	3·34·00	3·34.30	⊙	15·2	28·2	13·0	12·5		
	3·35·00	3 35·30	+	29·8	30·2	0·4	12·3		
	3·36·00	3·36·30	⊙	14·0	26·4	12·4	—		
DEC. 28th, 1847.	7.30·00	7·30·30	⊙	6·5	14·5	8·0	—		
	7·31·00	7·31·30	+	15·5	16·8	1·3	6·7		
	7·32 00	7·32·30	⊙	6·2	14·2	8·0	6·8		
7·33·15	7·33·00	7·33·30	+	15·5	16·5	1·0	7·0	7·2	Thick mist over the ⊙
	7·34·00	7·34·30	⊙	7·2	15·3	8·1	7·3		
	7·35·00	7·35·30	+	16·5	17.0	0·5	7·9		
	7·36·00	7·36·30	⊙	7·2	16·0	8·8	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun ⊙ or shade +	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
DECEMBER 28TH, 1846.	8.33·15	8·30·00	8·30·30	⊙	7·5	19·9	12·4	—	11·3	⊙ clear.
		8·31·00	8·31·30	+	21·9	23·1	1·2	11·2		
		8·32·00	8·32·30	⊙	9·2	21·7	12·5	11·3		
		8·33·00	8·33·30	+	23·4	24·5	1·1	11·4		
		8·34·00	8·34·30	⊙	10·5	23·1	12·6	11·3		
		8·35·00	8·35·30	+	25·2	26·7	1·5	11·1		
		8·36·00	8·36·30	⊙	11·5	24·2	12·7	—		
	9·33 15	9.30·00	9·30·30	⊙	4·0	17·5	13·5	—	13·1	⊙ clear.
		9·31·00	9·31·30	+	18·6	20·0	1·4	12·4		
		9·32.00	9·32·30	⊙	10·0	24·2	14·2	12·8		
		9·33·00	9·33·30	+	27·6	29·0	1·4	13·4		
		9·34·00	9·34·30	⊙	12·0	27·5	15·5	13·8		
		9·35·00	9·35·30	+	30·2	32·2	2·0	13·0		
		9·36·00	9·36·30	⊙	15 5	30·0	14·5	—		
	10·33·15	10·30·00	10·30·30	⊙	7·0	23·8	16·8	—	14·5	⊙ clear.
		10·31·00	10·31·30	+	25·5	27·9	2·4	14·5		
		10·32·00	10·32·30	⊙	8·5	25·6	17·1	14-5		
		10·33·00	10·33·30	+	29·2	32·0	2·8	14·3		
		10·34·00	10·34·30	⊙	4·4	21·5	17·1	14·4		
		10·35·00	10·35·30	+	24·8	27·5	2·7	14·2		
		10·36·00	10·36·30	⊙	16·3	33·0	16·7	—		
	11·33·15	11·30·00	11·30·30	⊙	6·5	22·6	16·1	—	15·9	⊙ clear.
		11·31·00	11·31·30	+	23·8	24·0	0·2	16·3		
		11·32·00	11·32·30	⊙	9·0	24·8	16·8	16·2		
		11·33·00	11·33·30	+	26·8	27·9	1·1	15·9		
		11·34·00	11·34·30	⊙	15·0	32·3	17·3	15·8		
		11·35·00	11·35·30	+	34·0	36·0	2·0	15·1		
		11·36·00	11·36·30	⊙	13·0	30·0	17·0	—		
	12·33·15	12·30 00	12·30·30	⊙	7·0	24·5	17·5	—	15·7	⊙ clear.
		12·31·00	12.31·30	+	27·0	29·0	2·0	15·8		
		12·32·00	12·32·30	⊙	14·0	32·2	18·2	16·0		
		12·33·00	12·33·30	+	35·3	37·8	2·5	15·5		
		12·34·00	12·34·30	⊙	12·8	30·6	17·8	15·1		
		12·35·00	12·35·30	+	35·0	38·0	3·0	15·9		
		12·36·00	12·36·30	⊙	13·5	33 5	20·0	—		
	1·33·15	1·30·00	1·30·30	⊙	15·8	31·2	15·4	—	14·3	⊙ clear.
		1·31·00	1·31·30	+	33·8	35·0	1·2	14·5		
		1·32·00	1·32·30	⊙	19·0	35·0	16·0	14·2		
		1.33·00	1·33·30	+	38·4	40·8	2·4	14·0		
		1·34·00	1·34·30	⊙	18·0	34·8	16·8	14·2		
		1·35·00	1·35·30	+	39·2	42·0	2·8	14·4		
		1·36·00	1·36·30	⊙	21·2	38·8	17·6	—		
	2·33·15	2·30·00	2·30·30	⊙	17·8	35·2	17·4	—	15·4	⊙ clear.
		2·31·00	2·31 30	+	38·6	41·0	2·4	15·1		
		2·32·00	2 32·30	⊙	14·6	32·2	17·6	15·3		
		2·33·00	2·33·30	+	35·8	38·0	2·2	15·4		
		2·34·00	2·34·30	⊙	16·2	33·8	17·6	15·5		
		2·35·00	2·35·30	+	37·0	39·0	2·0	15·8		
		2·36·00	2·36·30	⊙	15·0	33·0	18·0	—		
	3·33·15	3·30·00	3·30·30	⊙	8·2	20·4	12·2	—	13·5	⊙ clear.
		3·31·00	3·31·30	+	20·6	19·8	– 0·8	13·5		
		3·32·00	3·32·30	⊙	12·4	25·6	13·2	13·9		
		3·33·00	3·33·30	+	26·2	25·6	– 0·6	13·6		
		3·34·00	3·34·30	⊙	16·2	29·0	12 8	13·2		
		3·35·00	3·35·30	+	29·8	29·7	– 0·1	13·3		
		3·36·00	3·36·30	⊙	19·8	33.4	13·6	—		

ACTINOMETER.

Date. Bombay Civil Time.		Time of Observation. Bombay, 1846. Initial.	Terminal.	Exposure, sun or shade + ⊙	Readings. A. Initial.	B. Terminal.	Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
DEC. 28TH, 1846.	4·33·15	4·30·00	4·30·30	⊙	8·6	18·0	9·4	—	10·4	⊙ clear.
		4·31·00	4·31·30	+	18·0	16·8	- 1·2	10·4		
		4·32·00	4·32·30	⊙	15·9	25·0	9·1	10·2		
		4·33·00	4·33·30	+	25·8	24·8	- 1·0	10·3		
		4·34·00	4·34·30	⊙	13·0	22.4	9·4	10·5		
		4·35·00	4·35.30	+	23 2	22·0	- 1·2	10·5		
		4·36.00	4·36·30	⊙	14·0	23·2	9·2	—		
DECEMBER 29TH, 1846.	7·33·15	7·30·00	7·30·30	⊙	12·6	21·0	8·4	—	7·4	⊙ clear.
		7·31·00	7·31·30	+	23·0	24·0	1·0	7·3		
		7·32·00	7·32·30	⊙	14·8	23·0	8·2	7·2		
		7·33·00	7·33·30	+	25·7	26·7	1·0	7·1		
		7·34·00	7·34·30	⊙	10·0	18·7	8·7	7·6		
		7·35·00	7·35·30	+	20·8	22·0	1.2	7·5		
		7·36·00	7·36·30	⊙	12·4	21·1	8·7	—		
	8 33·15	8 30·00	8·30·30	⊙	9·8	21 0	11 2	—	10·6	⊙ clear.
		8·31·00	8·31·30	+	23·8	25·0	1·2	10·4		
		8·32·00	8·32·30	⊙	13·2	25·2	12·0	10·6		
		8·33·00	8·33·30	+	28·4	30·0	1·6	10·6		
		8·34·00	8·34·30	⊙	12·6	25·0	12·4	10·8		
		8·35·00	8·35·30	+	27·4	28·9	1·5	10·8		
		8·36·00	8·36·30	⊙	16·2	28·4	12·2	—		
	9·33·15	9·30·00	9·30·30	⊙	41·0	54·0	13·0	—	13.9	⊙ clear.
		9·31·00	9·31·30	+	57·0	57·5	0·5	13·5		
		9·32·00	9·32·30	⊙	8·0	23 0	15·0	14·3		
		9·33·00	9·33·30	+	26·0	27·0	1·0	13·9		
		9·34·00	9·34·30	⊙	12·0	26·9	14·9	13·8		
		9·35·00	9·35·30	+	28·8	30·0	1·2	14·0		
		9·36·00	9·36·30	⊙	8·5	24·0	15·5	—		
	10·33·15	10·30·00	10·30·30	⊙	55·0	21·0	16·0	—	14·4	⊙ clear.
		10·31·00	10·31·30	+	22·0	23·0	1·0	14·7		
		10·32·00	10·32·30	⊙	6·5	22·0	15·5	14·4		
		10 33·00	10·33·30	+	24·0	25·2	1·2	14·8		
		10·34·00	10·34·30	⊙	5·0	21.5	16·5	14·6		
		10·35·00	10·35·30	+	27·2	29·8	2·6	13·7		
		10·36·00	10·36 30	⊙	11·8	28.0	16·2	—		
	11·33·15	11·30·00	11·30·30	⊙	5·6	24·0	18·4	—	15·9	⊙ clear
		11·31·00	11·31·30	+	25·5	28·8	3·3	15·1		
		11·32·00	11·32·30	⊙	3·6	22·0	18·4	15·4		
		11·33·00	11·33·30	+	25 2	28·0	2·8	16·0		
		11·34·00	11·34·30	⊙	15·0	34·3	19·3	16 6		
		11·35·00	11·35·30	+	37·3	40·0	2·7	16·4		
		11·36·00	11·36·30	⊙	24 0	43·0	19·8	—		
	12·33·15	12·30 00	12·30 30	⊙	3·0	22·8	19.8	—	16·7	Light fleecy clouds on the ⊙.
		12·31·00	12·31·30	+	24·0	26·2	2·2	16·9		
		12·32·00	12·32·30	⊙	9·0	27 5	18·5	16·0		
		12·33·00	12·33·30	+	31·9	34·8	2·9	16·2		
		12·34·00	12.34·30	⊙	15·2	35·0	19·8	16·2		
		12·35·00	12·35·30	+	33·0	41·5	3·5	17·9		
		12·36·00	12·36·30	⊙	10·0	33·0	23·0	—		
	1·33·15	1·30·00	1·30·30	⊙	35·0	50·0	15·0	—	14·9	⊙ clouded by \
		1·31·00	1.31·30	+	50·0	49·8	- 0·2	15·0		
		1·32·00	1·32·30	⊙	15·6	30·2	14·6	14 3		
		1·33·00	1·33·30	+	31·4	32 2	0·8	14·9		
		1·34·00	1·34·30	⊙	16·0	32·8	16·8	15·8		
		1·35·00	1·35·30	+	36·0	37·2	1·2	14·7		
		1·36·00	1·36·30	⊙	18·0	33·0	15·0	—		

ACTINOMETER.

Date. Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun or shade. + ⊙	Readings.		Change per ½ min. B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	Initial.	Terminal.		A. Initial.	B. Terminal.				
H. M. S.	H. M. S.	H. M. S.							
DECEMBER 29TH, 1846. 2·33·15	2·30·00	2·30·30	⊙	19·8	34·8	15·0	—	15·0	⊙ clouded by ⌞.
	2·31·00	2·31·30	+	36·0	36·2	0·2	15·0		
	2·32·00	2·32·30	⊙	14·6	30·0	15·4	14·8		
	2·33·00	2·33·30	+	32·0	33·0	1·0	14·6		
	2·34·00	2·34·30	⊙	19·4	35·2	15·8	15·1		
	2·35·00	2·35·30	+	35·8	36·2	0·4	15·3		
	2·36·00	2·36·30	⊙	20·0	35·6	15·6	—		
3·33·15	3·30·00	3 30·30	⊙	7·2	18·6	11.4	—	13·3	⊙ clouded by
	3·31·00	3·31·30	+	18·6	17·6	- 1·0	12·7		
	3·32·00	3·32·30	⊙	12·2	24·2	12·0	12·7		
	3·33.00	3·33·30	+	25·0	24·6	- 0·4	13·1		
	3·34·00	3·34·30	⊙	10·0	23·4	13·4	14·1		
	3·35·00	3·35·30	+	24·5	23·5	- 1·0	13·9		
	3·36·00	3·36·30	⊙	14·6	27·0	12·4	—		
4·33·15	4·30·00	4·30·30	⊙	14·6	23·0	8·4	—	10·2	⊙ clear.
	4·31·00	4·31·30	+	21·4	19·0	- 2·4	10·6		
	4·32·00	4·32·30	⊙	12·2	20 2	8·0	10·4		
	4·33·00	4·53·30	+	19·2	16·8	- 2·4	10·2		
	4·34·00	4·34·20	⊙	16·0	23·6	7·6	9·9		
	4·35·00	4·35·30	+	22·8	20·6	- 2·2	9·7		
	4·36·00	4·36·30	⊙	12·0	19·4	7·4	—		
DECEMBER 30TH, 1846· 7·33·15	7·30·00	7·30·30	⊙	5·0	12·0	7·0	—	5·4	⊙ clear.
	7·31·00	7·31·30	+	14·0	15·0	1·0	5·6		
	7·32·00	7·32·30	⊙	21·0	27·2	6·2	5·0		
	7·33·00	7·33·30	+	29·0	30·5	1·5	4·7		
	7·34·00	7·34·30	⊙	36·9	43·0	6·1	5·0		
	7·35·00	7·35·30	+	45.5	46.2	0·7	6·6		
	7·36·00	7·36·30	⊙	20·3	28·8	8·5	—		
8·33·15	8·30·00	8·30·30	⊙	10·8	24·0	13·2	—	11·2	⊙ clear.
	8·31·00	8·31·30	+	27·8	30·0	2·2	11·1		
	8·32·00	8·32·30	⊙	11·0	24·4	13·4	11·4		
	8·33·00	8·33·30	+	27·1	29·0	1·9	11·3		
	8·34·00	8·34·30	⊙	7·0	20·0	13·0	11·1		
	8·35·00	8·35·30	+	23·0	25·0	2·0	11·2		
	8·36·00	8·36·30	⊙	9·0	22·5	13·5	—		
9·33·15	9·30·00	9·30·30	⊙	1·0	15·0	14·0	—	13·0	⊙ clear.
	9·31·00	9·31·30	+	16·8	17·9	1·1	12·9		
	9 32·00	9·32·30	⊙	4·5	18·5	14·0	12·5		
	9·33·00	9·33·30	+	20·0	22·0	2·0	12·5		
	9·34·00	9·34·30	⊙	7·0	22·0	15·0	13·1		
	9·35·00	9·35·30	+	25·0	26·8	1·8	14·1		
	9·36·00	9·36·30	⊙	7·7	24·0	16·3	—		
10·33·15	10·30·00	10·30·30	⊙	5·3	21·5	16·2	—	14·4	⊙ clear.
	10·31·00	10·31·30	+	23·5	25·5	2 0	14·1		
	10·32·00	10·32·30	⊙	1·5	17·5	16·0	13·9		
	10·33·00	10·33·30	+	20·3	22·5	2·2	14·3		
	10·34·00	10·34·30	⊙	12·0	29·0	17.0	14·7		
	10·35·00	10·35·30	+	32·5	35·0	2·5	15·0		
	10·36.00	10·36·30	⊙	11·5	29·5	18·0	—		
11·33·15	11·30·00	11·30·30	⊙	5·0	22 0	17.0	—	15·8	⊙ clear.
	11·31·00	11·31·30	+	23·0	24·0	1·0	16·2		
	11·32·00	11·32·30	⊙	7·5	25·0	17·5	16·1		
	11·33·00	11·33·30	+	26·6	28·5	1·9	15·7		
	11·34·00	11·34·30	⊙	16·5	34·2	17·7	15·7		
	11·35·00	11·35·30	+	38·0	40·2	2·2	15·5		
	11·36·00	11·36.30	⊙	4·8	22·5	17·7	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846. Initial.	Terminal.	Exposure, sun or shade. ⊙ +	Readings. A. Initial.	B. Terminal.	Change per ½ min B—A.	Radiation in parts of Scale.	Mean.	Remarks.
	H. M. S.	H. M. S.	H. M. S.							
DECEMBER 30TH, 1846.	12·33·15	12·30·00	12·30·30	⊙	6·0	25.5	19·5	—	17·3	⊙ clear.
		12·31·00	12·31·30	+	27·0	29·0	2·0	16·7		
		12·32·00	12·32·30	⊙	3·0	21·0	18·0	15·8		
		12·33·00	12·33·30	+	24·5	27·0	2·5	17·2		
		12·34·00	12·34·30	⊙	14·5	35·9	21·4	18·7		
		12·35·00	12·35·30	+	39·0	42·0	3·0	17·9		
		12·36·00	12·36·30	⊙	10·5	31·0	20·5	—		
	1·33·15	1·30.00	1·30·30	⊙	24·5	39·0	14·5	—	14·2	⊙ clear.
		1·31·00	1·31·30	+	40·8	41·3	0·5	14·7		
		1·32·00	1·32.30	⊙	12·6	28·6	16·0	14·9		
		1·23·00	1·33·30	+	31·4	33·2	1·8	13·9		
		1·34·00	1·34·30	○	14·6	30·0	15·4	13·3		
		1·35·00	1·35·30	+	34·0	36·4	2·4	14·3		
		1·36·00	1·36·30	⊙	14·8	32 8	18.0	—		
	2·33·15	2·30·00	2·30·30	⊙	9·4	25.0	15·6	—	14·2	⊙ clear.
		2·31·00	2 31·30	+	27·8	29·2	1·4	14·5		
		2·32·00	2·32·30	⊙	14·6	30·8	16·2	14·2		
		2·33·00	2·33·30	+	34·0	36·6	2·6	14 0		
		2·34·00	2·34·30	⊙	20·8	37·8	17·0	14·2		
		2·35·00	2·35·30	+	41·0	44·0	3·0	14·1		
		2·36·00	2·36·30	⊙	20·0	37·2	17·2	—		
	3·33·15	3·30·00	3·30·30	⊙	14·0	26·8	12·8		13·6	⊙ clear
		3·31·00	3·31·30	+	27·0	26·4	–0·6	13·7		
		3·32·00	3.32·30	⊙	15·4	28·8	13·4	13·8		
		3·33·00	3·33·30	+	29·2	29·0	–0·2	13·6		
		3·34·00	3.34·30	⊙	15·6	29·0	13·4	13·5		
		3·35.00	3·35·30	+	30·6	30·6	–0·0	13·4		
		3·36·00	3·36·30	⊙	15·8	29·0	13·4	—		
	4·33·15	4·30·00	4·30·30	⊙	6·6	15·0	8·4	—	9·2	⊙ clear.
		4·31·00	4·31·30	+	15·0	14·0	– 1·0	9·5		
		4·32·00	4·32·30	⊙	15·2	23·8	8·6	9·6		
		4·33·00	4·33·30	+	23·8	22·8	– 1·0	9·2		
		4·34·00	4·34·30	⊙	17·0	24·8	7·8	8·8		
		4·35·00	4·35·30	+	24·8	23·8	– 1·0	8·8		
		4·36·00	4·36·30	⊙	12·2	20·0	7·8	—		
DECEMBER 31ST, 1846.	7·33·15	7·30·00	7·30·30	⊙	6·5	14 5	8·0	—	7·1	Thick mist round the ⊙
		7·31·00	7·31·30	+	15·5	17·0	1·5	6·8		
		7·32·00	7·32·30	⊙	7·2	15·2	8·0	6·6		
		7·33·00	7·33·30	+	16·2	17·5	1·3	6·8		
		7·34·00	7·34·30	⊙	8·2	16·5	8·3	7·3		
		7·35·00	7·35·30	+	17·9	18·5	0·6	7.6		
		7·36·00	7·36·30	⊙	6.2	14·4	8·2	—		
	8·33·15	8·30·00	8·30·30	⊙	22·5	35·2	12·7	—	11·2	Thick mist over the ⊙.
		8·31·00	8·31·30	+	38·0	39·5	1·5	11·1		
		8·32.00	8·32·30	⊙	11·7	24·3	12·6	11·0		
		8·33·00	8·33·30	+	26·5	28·2	1·7	11·0		
		8·34·00	8·34·30	⊙	11·2	21·3	13·1	11·4		
		8·35·00	8·35 30	+	26·4	28·1	1·7	11·2		
		8·36·00	8·36·30	⊙	11·8	24·6	12·8	—		
	9·33·15	9·30·00	9·30·30	⊙	8·0	22·0	14·0	—	13·2	⊙ clear.
		9·31·00	9·31·30	+	25·0	26·5	1·5	12·5		
		9·32·00	9·32.30	⊙	10·0	24·0	14·0	12·7		
		9·33·00	9·33.30	+	27·0	28·2	1·2	13·5		
		9·34·00	9·34·30	⊙	6·5	22·0	15·5	13·9		
		9·35·00	9·35·30	+	24·5	26·5	2·0	13·3		
		9·36·00	9·36·30	⊙	5·0	20·2	15·2	—		

ACTINOMETER.

Date.	Bombay Civil Time.	Time of Observation. Bombay, 1846.		Exposure, sun ⊙ or shade +	Readings.		Change per ½ min. B−A.	Radiation in parts of Scale.	Mean.	Remarks.
		Initial.	Terminal.		A. Initial.	B. Terminal.				
	H. M. S.	H. M. S.	H. M. S.							
DECEMBER 31st, 1846.	10·33·15	10·30 00	10·30·30	⊙	5·0	21·0	16·0	—	14·9	⊙ clear.
		10·31·00	10·31·30	+	23·0	25·0	2·0	14·7		
		10·32·00	10·32·30	⊙	3·5	21 0	17·5	15·2		
		10·33·00	10·33·30	+	27·2	29·8	2·6	14·7		
		10·34·00	10·34·30	⊙	8·0	25 2	17·2	14·7		
		10·35.00	10·35·30	+	28·2	30·6	2·4	15·2		
		10·36·00	10·36·30	⊙	12·0	30·0	18·0	—		
	11·33·15	11·30·00	11·30·30	⊙	8·5	25·8	17·8	—	16·2	⊙ clear.
		11·31·00	11·31·30	+	28·5	30·5	2·0	15·9		
		11·32·00	11·32·30	⊙	9·5	28·0	18·5	16·6		
		11·33·00	11·33·30	+	32·0	33·9	1·9	16·6		
		11.34·00	11·34·30	⊙	13·0	31·5	18·5	16·2		
		11·35·00	11·35·30	+	35·3	38·0	2·7	15·8		
		11·36·00	11·36·30	⊙	13·0	31·5	18·5	—		
	12·33·15	12·30·00	12·30·30	⊙	12·0	30·5	18·5	—	16.9	⊙ clear.
		12·31·00	12·31·30	+	33·5	36·0	2·5	16·5		
		12·32·00	12·32·30	⊙	16·5	36·0	19·5	16·8		
		12·33·00	12·33·30	+	39·0	42·0	3·0	16·8		
		12·34·00	12·34·30	⊙	12·0	32·2	20·2	17·2		
		12·35·00	12·35·30	+	35·8	38·9	3·1	17·4		
		12·36·00	12·36·30	⊙	11·5	32·3	20·8	—		
	1·33·15	1·30·00	1·30·30	⊙	14·0	28·4	14·4	—	14·3	⊙ clear.
		1·31·00	1·31·30	+	30·2	31·0	0·8	14·3		
		1·32·00	1·32·30	⊙	18 2	34·0	15·8	14·5		
		1·33·00	1·33·30	+	37·2	39·0	1·8	14·3		
		1·34·00	1·34·30	⊙	14 6	31·0	16·4	14·1		
		1·35.00	1·35·30	+	35·0	37·8	2·8	14·3		
		1·36·00	1·36·30	⊙	19·2	37·0	17·8	—		
	2·33·15	2·30·00	2·30·30	⊙	16 0	33·0	17·0	—	15·1	⊙ clear.
		2·31·00	2·31·30	+	36·2	38·0	1·8	15·1		
		2·32·00	2·32·30	⊙	22·0	38·8	16·8	15·2		
		2·33·00	2.33·30	+	41·6	43 0	1·4	15.3		
		2·34·00	2·34·30	⊙	12·0	28 6	16·6	15·1		
		2·35·00	2·35·30	+	31·6	33·2	1·6	14·8		
		2·36·00	2·36·30	⊙	19·0	35·2	16·2	—		
	3·33·15	3·30·00	3·30·30	⊙	11·4	23·0	11·6	—	12·6	⊙ clear.
		3·31·00	3·31·30	+	23·0	22·0	- 1·0	12·7		
		3·32·00	3·32·30	⊙	14·4	26·2	11·8	12·6		
		3·33·00	3·33·30	+	26·6	26·0	- 0·6	12·6		
		3·34·00	3·34·30	⊙	17·8	30·0	12·2	12·7		
		3·35·00	3·35·30	+	31·0	30·6	- 0·4	12.6		
		3·36·00	3·36·30	⊙	13·8	26·0	12·2	—		
	4·33·15	4·30·00	4·30·00	⊙	11·2	19·4	8·2	—	9·4	⊙ clear.
		4·31·00	4·31·30	+	18·6	17·2	- 1·4	9·6		
		4·32·00	4·32·30	⊙	12·8	21.0	8·2	9·6		
		4·33·00	4·33·30	+	20·2	18·8	- 1·4	9·3		
		4·34·00	4·34.30	⊙	13·2	20·8	7·6	9·2		
		4·35·00	4·35·30	+	20·7	19·0	- 1·7	9·4		
		4·36·00	4·36·30	⊙	10.2	18·0	7·8	—		
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JANUARY, 1846.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
1· 4	1· 0	7/8	G.	∖_, L. F. clds and ∿ in patches; ⌒∖i and faint ∖i scattered.
· 5	· 1	7/8	D.	∖i, ∖_, — and F. clds.
· 6	· 2	6/8	D.	∖i, ∖_, — and F. clds.
· 7	· 3	6/8	D.	∖i, ∖_, — and F. clds.
· 8	· 4	6/8	D.	∖i, ∖_, — and F. clds.
· 9	· 5	2/8	A.	∖i, in the Horizon.
·10	· 6	1/8	A.	∖i, in the Horizon.
·11	· 7	3/8	A.	∖i, scattered.
·12	· 8	4/8	A.	∖i. ∿ around the Horizon.
.13	· 9	4/8	G.	∖i, ∖_ and F. ⌒∖i scattered.
·14	·10	7/8	G.	∖i, ∖_ and — throughout.
·15	·11	7/8	G.	∖i, ∖_, and — throughout, partly clear in the S.
·16	·12	7/8	G.	∖i, ∖_ and L. F. clds.; and faint ∖i scattered throughout.
·17	·13	5/8	D.	∖i, ∖_ and — throughout.
·18	·14	7/8	D.	∖i, ∖_, ∿, — and fleecy clouds throughout.
·19	·15	6/8	D.	∖i, ∖_, —, ∿ and fleecy clouds throughout
·20	·16	5/8	D.	∖i, ∖_ and — scattered; fog in NW. Hor: Zth. partly clear.
·21	·17	7/8	A.	Lines of ∖i stretching from the S.SW. to the N. moving gently E.: fleecy clouds around the Horizon: black haze in the W. Horizon.
·22	·18	5/8	A.	∖i in the zenith moving E: fleecy clouds scattered around the Horizon: black haze in the Western Horizon.
·23	·19	2/8	A.	F. clds. scattered around the Horizon: black haze in the Western Horizon.
2· 0	·20		A.	F. clds. scattered around the Hor.
· 1	·21	1/8	G.	F. clds. ∖_ and ∖i, all around the Horizon.
· 2	·22	1/8	G.	∖_ and ∖i in the Horizon.
· 3	·23	3/8	G	∖_ in the SE; and ∖i scattered throughout.
· 4	2· 0	4/8	G.	∖_, ∖i and ∿i scattered; ⌒∖i in the West
· 5	1	2/8	D.	∖i, ∖_ and — from the S to the N. (by W.); mist throughout
· 6	· 2	6/8	D.	∖i, ∖_, — and F. clds. scattered throughout.
· 7	. 3	4/8	D.	∖i, ∖_, and — in the E., W., N: and S: Zth. partly clear.
· 8	· 4	2/8	D.	∖i, ∖_ and — in the SW., NW., and N.
· 9	· 5		A.	Clear, perhaps — in the Horizon.
·10	· 6		A.	Clear — " "
·11	· 7		A.	Clear — " "
·12	· 8		A.	Clear — " "
·13	· 9		G.	— in the SE. Horizon
·14	·10		G.	— in the E. and SE. Horizon.
·15	·11		G.	— from the S. (by E.) to NNW. clear in the N and Zenith: thin mist throughout.
·16	·12	4/8	G.	— in the E., SE. S., W. and N: mist throughout: slight dew on the shade of the ground Therm
·17	·13	5/8	D.	∖_ and ∖i in SW and E: Zenith clear.
·18	·14	8/8	D.	Overcast.
·19	·15	8/8	D.	Overcast.
·20	·16	8/8	D.	Overcast.
·21	·17	8/8	A.	∖_ and ∖i moving N. E: an imperfect solar halo: black haze in the Western Horizon.
·22	·18	8/8	A.	∖_ and ∖i moving N. E: a solar halo; black haze in the Western Horizon.
.23	·19	8/8	A.	∖_ and ∖i moving gently NE.: a solar halo: black haze in the Western Horizon.
3· 0	·20	8/8	A.	∖_ and ∖i moving NE.: stratus in the West
· 1	·21	8/8	G.	∖_, ∖i, and F. clds. scattered.
· 2	·22	8/8	G.	∖_; and F. clds scattered.
· 3	·23	8/8	G.	⌒∖i ∖_, — and F. clds. and ∖i
4· 4	4· 0		A.	∖_ and ∖i moving from the S. and W. to the NE: F. clds scattered around the Horizon.
· 5	· 1		A.	∖i and thin F. clds. from SW. and W. to the NE., F. clds. scattered around the Horizon: Western Horizon clear.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
4· 6	4· 2		A.	∖i and thin F. clds. from the S and W to the NE.: zenith clear; black haze in the W. and SE. Horizon.
· 7	· 3	6/8	D.	∖i, ∖_ and F. clds. in E., W., N. and S.; zenith partly cloudy: halo around the ☽.
· 8	· 4	6/8	D.	∖i " " " " "
· 9	· 5	5/8	D.	∖i " " " " no halo.
·10	· 6	4/8	D.	∖i " " " " Zth clear.
·11	· 7	3/8	ID.	∖_ in the S; and ∖i scattered throughout; zenith clear (partially).
·12	· 8	4/8	ID.	Large banks of ∖_ from N. to S. (by E.); ∖i scattered all round the Horizon: zenith clear; and dew falling.
·13	· 9	4/8	G.	—; and ∖i scattered throughout: dew depositing.
·14	·10	5/8	G.	∖_ in the S. and — throughout: dew depositing.
·15	·11	3/8	G.	— in the Horizon; and mist throughout: dew depositing.
·16	·12	8/8	G.	— in the Horizon; and mist throughout: dew depositing.
·17	·13	3/8	D.	— in E., W., N., and SW.
·18	·14	2/8	D.	∖i, and — from S. to NE. (by E.); ∖i in NW. and W.
·19	·15	3/8	D.	∖i, in E., W., N. and S.; ∖_ in NE. and SE: mist throughout, thick in the Horizon.
·20	·16	7/8	D.	∖i, and ∖_ scattered throughout.
·21	·17	7/8	A.	∖i, and ∖_ scattered throughout moving Ed.; black haze in the W. Horizon: mist in the E. Horizon.
·22	·18	7/8	A.	∖i, and ∖_ scattered moving Ed.; F. clds. scattered around the Horizon: black haze in the W. Horizon.
·23	·19	7/8	A.	∖i, and ∖_ scattered moving Ed., from the SW. and W.: F. clds. in the E.: black haze in the W. Horizon.
5· 0	·20	7/8	A.	∖i, and ∖_ from the S W., and W. to the E; F. clds. scattered around the Horizon: black haze in the Hor.
· 1	·21	7/8	G.	— and ∖_ from W. to SE extending towards the Zenith; L. F. clds. from N. (by E.) to SSW; and ∖i scattered throughout.
· 2	·22	8/8	G.	— along the Horizon; ∖_, ∖i, and F ⌒ moving NEd. from all quarters: haze.
· 3	·23	8/8	G.	— in the Horizon, ∖_ above and F. ⌒∖i below both moving N. E from all quarters.
· 4	5· 0	6/8	G.	∖_, ∖i; F. ⌒∖i moving from SW. to NE.: light mist in the Horizon.
· 5	· 1	8/8	D.	∖_ ∖i; and F. clds. all over the sky.
· 6	· 2	7/8	D.	∖_, ∖i; and fleecy " " "
· 7	· 3	7/8	D.	∖_, ∖i; " " " "
· 8	· 4	5/8	D.	∖_, ∖i; " " in the E., W. N and S; Zth. clear.
· 9	· 5	6/8	ID.	∖_ all round the Horizon; and ∖i scattered throughout.
·10	· 6	7/8	ID.	∖_ " " " " dew falling slightly.
·11	· 7	6/8	ID.	∖_ " " " " "
·12	· 8	6/8	ID.	∖_ " " " " "
·13	· 9	3/8	G.	— all round the Horizon, fleecy ⌒∖i in the W., ∖i scattered: dew falling slightly.
·14	·10	2/8	G.	— all round the Horizon
·15	·11		G.	— in the E., SE. and S
·16	·12		G.	— " " " "
,17	·13	3/8	D.	— in E. and SE: thick mist in the Hor
·18	·14	6/8	D.	∖i, and ∖_. F. clds. in E., W., N. and Zenith.
·19	·15		D.	∖i, and ∖_; and F. clds. in E., W. N., S. and Zenith: F. clds passing from SE. to NE., fog in NW.
·20	·16	7/8	D.	∖i, ∖_ and F. clds. in E., W., N. S. and Zenith; — in NE., E. and SE. H.: fog in NW. and W. Hor
·21	·17	4/8	A.	∖_, ∖i moving gently from the S to the NE (by E.); F. clds. in the E.: black haze in the W. and NW. Horizon
·22	·18	3/8	A.	∖i, and F. clds moving gently from the S to the NE (by E.). F. clds in the E. and NE. black haze in the WNW.
·23	·19	4/8	A.	∖i, and L. F. clds. moving gently from the S to the NE: clear in the Ztn. in the W. and N.
6· 0	·20	2/8	A.	∖i, and F. clds. scattered in the SE. and NE. otherwise clear.
· 1	·21	2/8	G.	∖_, ∖i: and F. clds. from N. (by E.) to S.
· 2	·22	2/8	G.	∖_ and faint ∖i from N. (by E.) to S.
· 3	·23	5/8	G.	∖_ in lines; ∿, and ∖i scattered throughout.

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D. H.	D. H.			
6· 4	6· 0	3/8	G.	⌞ and ∖ scattered all round the Horizon.
· 5	· 1	2/8	D.	⌞ in E and SE ; ∖i in W. and NW: thick mist in Horizon.
· 6	· 2	1/8	D.	⌞ in SE ; ∖i in NW. W., and SE. : F. clds. in NE.
· 7	· 3		D.	Clear.
· 8	· 4		D.	⌞ in NW.
· 9	· 5	2/8	ID.	Light haze all round the Horizon.
·10	· 6	2/8	ID.	haze.
·11	· 7		K.	Apparently clear.
·12	· 8		ID.	Clear : dew falling slightly.
·13	· 9		G.	Clear.
·14	·10		G.	Clear.
·15	·11		G.	Clear.
·16	·12		G.	— in the SE. and S.
·17	·13		D.	— and ⌞ in SE.: thick mist in the Horizon.
·18	·14		D.	— in SE.
·19	·15		D.	— in the E.: fog in NW. and W. Hor.: thick haze in the Horizon.
·20	·16		D.	Fog in NW. and W. Horizon.
·21	·17		A.	Clear: mist in the E. and SE.
·22	·18		A.	Haze in the SE.; black haze in the NW. and N.
·23	·19		A.	F. clds. in the S.: black haze in the NW. and W.
7· 0	·20		A.	F. clds. in the S ; haze in the W. Horizon.
· 1	·21		G.	⌒∖i and F. clds. in the SE.; and haze in the W. and NW. Horizon.
· 2	·22		G.	⌞ and — in the E. and SE.: haze in the Horizon.
· 3	·23		G.	— in the E. and SE. Horizon.
· 4	7· 0		G.	— in the E. and SE. Horizon; and haze all round the Horizon.
· 5	· 1		D.	— in the SE. Horizon: haze thick in the Horizon.
· 6	· 2		D.	— in the H ; and ⌞ in NW.: thick haze in the Horizon.
· 7	· 3		D.	Clear.
· 8	· 4		D.	Clear.
· 9	· 5		ID.	Very light haze in the E Horizon.
·10	· 6		ID.	Very light haze in the E. Horizon.
·11	· 7		ID.	Clear.
·12	· 8		ID.	Clear.
·13	· 9		G.	Clear
·14	·10		G.	Clear.
·15	·11		G.	A line of ⌞ in the S. ; and — all round the Horizon.
·16	·12		G.	Faint ∖i in the S.; and — in the SE. and NE.
·17	·13		D.	— in E. and SE.
·18	·14		D.	Thick fog in the Horizon.
·19	·15		D.	Thick fog in the NW. and W.
·20	·16		D.	Thick fog in the NW. and W. Hor.
·21	·17		A.	Black haze extending from the N. to the SW: mist in the Southern Horizon.
·22	·18		A.	Black haze extending about 15° above the NW. and SW. Horizon
·23	·19		A.	Black haze extending about 15° above the NW. and SW. Horizon.
8· 0	·20		A.	Black haze in the Northern and Western Horizon.
· 1	·21		G.	Black haze in the N. by W. and W. Horizon ; and white haze in the E. Horizon.
· 2	·22		G.	Black haze in the N. by W. and W. Horizon ; and white haze in the E. Horizon.
· 3	·23		G.	Clear.
· 4	8· 0		G.	Light haze in the Horizon.
· 5	· 1		D.	Haze in the Horizon.
· 6	· 2		D.	Haze in the Horizon.
· 7	· 3		D.	Clear.
· 8	· 4		D.	Clear.
· 9	· 5		ID.	Light haze all round the Horizon, altitude 5°.

Bombay Mean Time	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather
D. H.	D. H.			
8·10	8· 6		ID.	Light haze the E. Horizon.
·11	· 7		ID.	Clear.
·12	· 8		ID.	Clear.
·13	· 9		G.	Clear.
·14	·10		G.	Clear.
·15	·11		G.	— in the SE. and E. Horizon
·16	·12		G.	— in the SE. Horizon.
·17	·13		D.	— in the SE. Horizon.
·18	·14		D.	Fog in the Horizon.
·19	·15		D.	Fog in the NW. and W. Horizon
·20	·16		D.	Fog in the NW. and W. Horizon.
·21	·17		A.	Black haze in the W. and NW. Horizon : mist in the E. Horizon.
·22	·18		A.	Black haze in the W. and NW. Hor.
·23	·19		A.	Black haze in the W. and NW. Hor.
9· 0	·20		A.	Faint haze in the W. and NW. Hor.
· 1	·21		G.	Black haze in the W. and NW. Hor.; and mist in the E. Hor.
· 2	·22		G.	Black haze in the W. and NW. Hor.; and mist in the E Hor.
· 3	·23		G.	L. haze all round the Hor.
· 4	9· 0		G.	Light haze all round the Horizon.
· 5	· 1		D.	Haze in the Horizon.
· 6	· 2		D.	Haze in the Horizon.
· 7	· 3		D.	Clear.
· 8	· 4		D.	Clear.
· 9	· 5		ID.	Clear.
·10	· 6		ID.	Clear.
·11	· 7		ID.	Very light haze all round the Horizon altd 6°.
·12	· 8		ID.	Clear except a slight mist in the E. Horizon.
·13	· 9		G.	Clear.
·14	·10		G.	Clear.
·15	·11		G.	Clear.
·16	·12		G.	— in the SE.
·17	·13		D.	— in the SE.
·18	·14		D.	Fog in the Horizon.
·19	·15		D.	Haze in tthe Horizon.
·20	·16		D.	Haze in heHorizon.
·21	·17		A.	Black haze in the NW. and W. Hor : mist in the SE. Hor.
·22	·18		A.	Faint haze in the NW. and W. Hor.: mist in the SE. and S. Hor.
·23	·19		A.	Faint haze in the W. Hor.
11· 0	·20		A.	Clear.
· 1	·21		G.	Thick fog in the E. Horizon
· 2	·22		G.	Light fog in the E. Horizon.
· 3	·23		G.	Light mist all round the Horizon.
· 4	11· 0		A.	Black haze in the E. and S. Hor.
· 5	· 1		A.	Black haze in the E. and S. Hor.
· 6	· 2		A.	Black haze in the E. and S. Hor.
· 7	· 3		A.	Clear
· 8	· 4		G.	Clear.
· 9	· 5		G.	Clear
·10	· 6		G.	Clear.
·11	· 7		G.	Clear.
·12	· 8		G.	Clear : dew depositing.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		A.	Clear.
·18	·14		A.	Clear
·19	·15		A.	Black haze in the SW. and NW. Horizon.: mist in the SE. and S. Horizon
·20	·16		A.	Black haze in the SW. and N W. Horizon : mist in the SE. and S. Horizon.

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Bombay Mean Time.	Gottingen Mean Time	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
11·21	11·17		G.	Thick fog in the W. and N. Horizon ; and mist in the E. and SE. Hor.
·22	·18		G.	Thick fog in the W. and N. Hor ; and mist in the E. and SE. Hor.
·23	·19		G.	Faint \i in the S. thick from SSW. to N. (by E.); and thick haze in the E. and SE. Horizon.
12· 0	·20		G.	Thick fog in the W. and NW. Hor.; and haze in the E. and SE. Hor. : faint \i in the S and S. by E.
· 1	·21		A.	Thick fog in NW. and SE. Hor.: haze in the Hor.
· 2	·22		A.	Thick fog in NW. and SE. Hor.; haze in the Hor : ⌒ in SE. Hor.
· 3	·23		A.	Fog in NW. and SE. Hor ; ⌒i in S. Hor., near the fog, — in NW. Hor. above the fog.
· 4	12· 0		D.	⌒ and fog in SE. Hor.; — in NW. Hor.
· 5	· 1		A.	— and black haze all round the Hor.
· 6	· 2		A.	— and black haze in the Hor.
· 7	· 3		A.	Clear
· 8	· 4		A.	Clear.
· 9	· 5		G.	Clear.
·10	· 6		G.	Haze in the SE.
·11	· 7		G.	Clear.
.12	· 8		G.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		A.	Clear.
·18	·14		A.	Haze in the SE. Horizon.
·19	·15		A.	Black haze in the SW. and NW. Hor.: mist in the E. and S. Hor.
·20	·16		A.	Black haze in the SW. and NW. Hor.: mist in the E. and S. Hor.
·21	·17		G.	Thick fog from N. (by W.) to SW.: mist from N. (by E.) to SE.; and faint \ in the S.
·22	·18		G.	Thick fog from N. (by W.) to SW.: mist from N. (by E.) to SE.; and faint \ in the S.
·23	·19		G.	Thick fog in the N. and W Hor.; and mist in the E. and SE Hor.
13· 0	·20		G.	— in the W. and N. Hor.; and mist in the E. and SE. Horizon.
· 1	·21		A.	— in NW. and N. Hor.: fog from NE. to SE. Horizon.
· 2	·22		A.	— and \ in NW. and N.: mist in the Hor.
· 3	·23		A.	— and \ in NW. and N.: mist in the Horizon.
· 4	13· 0		D.	— and \ in NW.: mist in the Hor.
· 5	· 1		A.	Haze in the E.
· 6	· 2		A.	— in the W. Hor
· 7	· 3		A.	— in the SW. and Western Hor
· 8	· 4		A.	— in the SW. and Western Hor.
· 9	· 5		G.	— in the W. and NW. Hor. ; and mist in the SE. and S.
·10	· 6		G.	— in the W. and NW. Horizon.
·11	· 7		G.	— in the W and NW. Horizon.
·12	· 8		G.	— in the W. and NW. Horizon.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		A.	Clear.
·18	·14		A.	Mist in the E. and S. Horizon.
·19	·15		A.	Black haze in the W. and NW. Hor.: mist in the NE. and S. Horizon.
·20	·16		A.	Black haze in the W. and N. Wn Hor : mist in the NE., E. and S : Horizon.
·21	·17		G.	Thick fog from N to SSW. alt. 6°; and mist in the E. and SE. Horizon.
·22	·18		G.	— from N to SSW ; and mist on the E. Hills.
·23	·19		G.	Thick fog from N. to S. (by W) alt. 8°; and mist on the E Hills.
14· 0	·20		G.	Thick fog from N. to S (by W) alt 6° ; and mist on the E. Hills.
· 1	·21		A.	∽ in SE : mist in Hor

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
14· 2	13·22		A.	— in NW. : mist in Hor.
· 3	·23		A.	— in NW. : mist in Hor.
· 4	14· 0		D.	— in NW. : mist in the Horizon.
· 5	· 1		A.	— and fleecy clouds in the W. : haze in the Horizon.
· 6	· 2		A.	— and \i in the W. : haze in the Horizon.
· 7	· 3		A.	Clear.
· 8	· 4		A.	Clear.
· 9	· 5		G.	— in the W. and NW. Horizon.
·10	· 6		G.	Clear.
·11	· 7		G.	Clear.
·12	· 8		G.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	∽ in the NNW
·17	·13		A.	Clear : no dew falling.
·18	·14		A.	Mist in the E. and S. Hor. : no dew.
·19	·15		A.	Fleecy clouds in the SW. : Black haze in the W and NW. Hor : no dew.
·20	·16		A.	Black haze in the SW., W. and NW. Hor.: mist in the remaining Horizon.
.21	·17		G.	Thick fog from N. to S Hor. ; and mist in the remaining Horizon.
·22	·18		G.	Thick fog from N. to S Hor. ; and mist in the remaining Horizon.
·23	·19		G.	Thick fog from N. to S. Hor. ; and mist from NE. to SE. Horizon
15· 0	·20		G.	Thick fog in the N. and N. by W. Hor. ; and slight mist in the SE.
· 1	·21		D.	∽ in SE.: fog in E. and SE. Horizon.
· 2	.22		D.	∽ in SE.: fog in E., SE. and NW. Horizon.
· 3	·23		D.	Fog in E. and SE. Horizon.
· 4	15. 0		D.	Fog in E , and SE Horizon.
· 5	· 1		A.	— in the NE , SE. Hor.; and black fleecy clouds in the E.
· 6	· 2		A.	Black haze in the W., NW., SW., and E. Horizon.
· 7	· 3		A.	Clear.
· 8	· 4		A.	Clear.
· 9	· 5		G.	Clear.
·10	· 6		G.	— in the Eastern Horizon.
·11	· 7		G.	_ from N, to S. (by E.).
·12	· 8		G.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	∽ in NW.
·16	·12		D.	Clear.
·17	·13		A.	Clear.
·18	·14		A,	Mist in the Horizon.
·19	·15		A.	Black haze extended from the N. Hor. to the S. Hor. (by W.); mist in the E. NE. and SE. Horizon.
·20	·16		A.	Black haze extended from the N. to the S. Hor. (by W.) mist in the E. NE. and SE. Hor.
·21	·17		G.	Thick fog from N to S (by W. ; and mist in on the E and SE. Hills.
·22	·18		G.	Thick fog from N. to S (by W , and mist in on the E. and SE. Hills.
·23	·19		G.	Thick fog from N. to S (by W) and mist in on the E and SE. Hills.
16· 0	·20		G.	Thick fog from N. to SW. (by W.); and mist in the SE and E. Hills.
· 1	·21		D.	∽ in SE. : fog in SE. and E. Hor.
· 2	·22		D.	Fog in E. and SE. Hor.
· 3	·23		D.	Fog in E. and SE. Hor
· 4	16· 0		D.	Fog in E and SE. Hor.
· 5	· 1		A.	A curve of black haze extended from the W. Hor. to the E. Hor. (by N.)
· 6	· 2		A.	A line of black haze extended from the W. Hor. to the E. Hor. (by N.).
· 7	· 3		A.	Clear.
· 8	· 4		A.	Clear.
· 9	· 5		G.	— all round the Horizon.

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D. H.	D. H.			
16·10	16· 6		G.	— in the NW. Hor.
·11	· 7		G.	— in the NW. and W. Hor
·12	· 8		G.	— in the W. and NW. Hor.
·13	· 9		D.	Clear
·14	10		D.	Clear
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		A.	Clear : dew deposited.
·18	·14		A.	— all round the Hor.
·19	·15		A.	Black haze extended from the SW. to N. Hor. (by W) : mist in the remaining Hor.
·20	·16		A.	Black haze extended from the S. Hor. to the N. Hor (by W.): mist in the E Hor.
·21	·17		G.	Thick fog from N. to S (by W); and mist in the E., SE and NE Hor.
·22	·18		G.	Foggy mist all round the Hor.
·23	·19		G.	Foggy mist all round the Hor.
17· 0	·20		G.	Foggy mist all round the Hor.
· 1	·21		D.	Thick mist all round the Hor.
· 2	·22		D.	Thick mist all round the Hor.
· 3	·23		D.	Thick mist all round the Hor.
18· 4	18· 0		D.	Haze in the Hor.
· 5	· 1		A.	Haze in the Hor.
· 6	· 2		A.	Black haze in the Hor.
· 7	· 3		A.	Black haze in the W. Hor.
· 8	· 4		A.	Clear.
· 9	· 5		G.	— in the NW., W. and SE. Hor.
·10	· 6		G.	— in the NW., W. and SE. Hor.
·11	· 7		G.	— in the E. and SE, Hor.
·12	· 8		G.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		A.	Clear : no dew falling.
·18	·14		A.	Mist in the E. and SE Hor.: no dew few F. clds. in the S. Hor.
·19	·15		A.	Mist in the Hor. : thin F. clds. extended from the SW. to the N E. Hor. (by E)
·20	·16		A.	Black haze in the NW , W. and SW. Hor : thin F. clds. scattered along the Hor. from the SW. to the NE : haze in the Zth.
·21	·17		G.	Thick fog from N. to S (by W.) : ╲▁ and faint ╲i in the SE. and S ; and mist in the NE. and E. Hor.
·22	·18		G.	Haze all round the Hor. : ╲▁ and ╲i in the E., SE. and S.; and mist on the E. Hills.
·23	·19		G.	╲▁ in the S.; ╲i in the E. and SE.; and thin mist throughout
19· 0	·20		G.	╲▁ in the SE. and SE.: thin mist throughout.
· 1	·21		D.	╲▁ and ╲⌒ in SE.: mist throughout
· 2	·22		D.	╲▁ in SE.: thick mist in Hor.
· 3	·23		D.	╲▁ in SE. and E.: thick mist in Hor.
· 4	19· 0		D.	╲▁ in SE.: thick mist in Hor.
· 5	· 1		A.	Haze all around the Hor : few F. clds. scattered in the S. Hor.
· 6	· 2		A.	Haze all around the Hor.
· 7	· 3		A.	Haze in the W. and S. Hor.
· 8	· 4		A.	Clear.
· 9	. 0		G.	Clear.
·10	· 6		G.	Clear.
·11	· 7		G.	Clear.
·12	· 8		G.	Clear
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
19·17	19·13		A.	Clear : no dew falling.
·18	·14		A.	Mist in the W. and SE. Horizon.
.19	·15		A.	Black haze in the W. and NW. Hor.: mist in the Hor
·20	·16		A.	Black haze in the W. and NW. Hor : mist in the E. and S. Hor.
·21	·17		G.	Black haze in the W. and NW. Hor : mist in the E. and S. Hor.
·22	·18		G.	Black haze in the W and NW. Hor.: mist in the E. and S. Hor.
·23	·19		G.	Black haze in the NW. Hor.: mist in the E. and S. Hor.
20· 0	·20		G.	Thin mist all round the Hor.
· 1	·21		D.	Thin mist all round the Hor.
· 2	·22		D.	Thin mist all round the Hor.
· 3	·23		D.	Thin mist all round the Hor.
· 4	20· 0		D.	Thin mist in the Horizon.
· 5	· 1		A.	Haze in the Horizon.
· 6	· 2		A.	Haze in the Horizon.
· 7	· 3		A.	Haze in the Horizon.
· 8	· 4		A.	Clear.
· 9	· 5		G.	Clear.
·10	· 6		G.	Clear.
·11	· 7		G.	Faint ╲ in the SE.; and — in the NW. and W.
·12	· 8		G.	— in the S. E.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		A.	Clear: no dew.
·18	·14		A.	Mist in the Hor.
·19	·15		A.	Mist in the Hor.
·20	·16		A.	Thick black mist and extended from the SW. to the N Hor.
·12	·17		G.	Thick Fog from N. to S. (by W.); and mist from NE. to SE. Hor.
·22	·18		G.	Thick Fog from N. to S. (by W.); and mist from NE to SE. Hor.: faint ╲i in the S.
·23	·19		G.	Thin mist in the Hor , all round.
21· 0	·20		G.	Thin mist in the Hor., all round.
· 1	·21		A.	Haze all round the Hor.
· 2	·22		A.	Haze in the E. and SE. Hor.
· 3	·23		A.	Haze in the E. and SE. Hor.
· 4	21· 0		A.	Haze in the E. and SE. Hor.
· 5	· 1		A.	Haze in the E. and SE. Hor.
· 6	· 2		A.	F. clds. in the SW. Hor. ; two lines of thin F. clds., extending from the S. to the E. Hor.; mist in the Hor.
· 7	· 3		A.	Clear.
· 8	· 4		G.	Clear.
· 9	· 5		G.	Clear.
·10	· 6		G.	Clear.
·11	· 7		G.	Clear.
·12	· 8		G.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11	1/8	D.	╲▁ in NE., E , and SE. ; and F. clds. in S. E.
·16	·12		D.	Clear.
·17	·13		A.	╲i and F. clds.: dew falling.
·18	.14	6/8	A.	F. clds., and ╲i spreading.
·19	·15	8/8	A.	Thin F. clds., moving Southward from the N., NW.; ╲i scattered in the Zth.
·20	·16	4/8	A.	Thin F. clds., from the SW. to the S.; F clds., in the Hor.; thick black mist in the W., SW , and NW. Hor.; and mist in the NE., E. and SE. Hor.
·21	·17	8/8	G.	╲▁, ╲⌒i, light F. clds , and faint ╲i: Fog in the NW. and W. Hor.
·22	·18	8/8	G.	Overcast.
·23	·19	8/8	G.	Overcast

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
22· 0	21·20	8/8	G.	Light F. clds, ∖i and ⌊ scattered throughout.
·1	·21	6/8	D.	Light F. clds., ∖i and ⌊ scattered: N and W clear.
·2	·22	2/8	D.	⌊ and F. clds in E and SE; ∖i in W; ∖⌒ in NW.
·3	·23	3/8	D.	⌊ in E. and SE.; ∖i in SE, W. and N.: F. clds. in SW.
·4	22· 0	3/8	D.	⌊ and ∖i in SE, SW., W. and NW.
·5	·1	3/8	A.	F. clds., and ∖i scattered in the Hor.
·6	·2	3/8	A.	Thin F. clds., and ∖i scattered in the Hor., and Zth: Haze.
·7	·3		A.	Overcast in the S., and W. Hor.
·8	·4		A.	Overcast in the S., and W. Hor.
·9	·5		G.	— in the W. and NW. Hor.
·10	·6		G.	Faint ∖i and ⌊ in the W. and NW.
·11	·7		G.	Thin mist throughout.
·12	·8		G.	— in the NW. and W; thin mist throughout.
·13	·9		D.	— in the NW. and W.
·14	·10		D.	— in the NW., W., N. and E.
·15	.11		D.	— and ⌊ in the E, SE., W., NW., N. and Zth
·16	·12		D.	⌊ in E., W., N. and S: Zth clear
·17	·13	3/8	A.	⌊, thin F. clds, and ∖i
·18	·14	7/8	A.	⌊, thin F. clds, and ∖i scattered: no dew.
·19	·15	7/8	A.	Thin F. clds, moving Eastward; ∖i above: Thick mist in the W, NW. and SW Hor.
·20	·16	7/8	A.	⌊ above; thin F. clds., moving S. Eastward: thick mist extending from the SW., to N. Hor. (by W.); mist all around the Observatory.
·21	·17	7/8	G.	Light F. clds., extending from N. to S. (by E.); ⌊ in the W. and NW. Hor; and faint ∖i scattered.
·22	·18	4/8	G.	Light F. clds., in the NW. and SE; thin mist throughout.
·23	·19	6/8	G.	Light F. clds. in the NW. and SE.; and faint ∖i throughout.
23· 0	·20	7/8	G.	Light F. clds, ⌊; and ∖i scattered.
·1	·21	5/8	D.	Light F. clds., ⌊: and ∖i scattered.
·2	·22	6/8	D.	Light F. clds., ⌊; and ∖i scattered.
·3	·23	3/8	D.	Light F. clds., and ⌊ in E. and S. E.; ∖i in SW. and N. Zth. clear.
·4	23· 0	1/8	D.	⌊ in E. and SE; ∖i in W. and NW.
·5	·1	2/8	A.	F. clds. in the N., W., and S. Hor: Haze in the E. Hor.
·6	·2	2/8	A.	F. clds., in the W., NW. S. Hor.; thick black mist in the E. Hor: Haze in the Zth.
·7	·3		A.	Overcast in the W. Hor.
·8	·4		A.	Overcast in the W. Hor.
·9	·5		G.	Overcast in the NW. and W. Hor.
·10	·6		G.	Overcast in the NW. and W. Hor.
·11	·7		G.	Overcast in the NW. and W. Hor.
·12	·8	4/8	G.	⌊ and faint ∖i scattered: Zth clear.
·13	·9	1/8	D.	— in NW.; and ⌊ in SE.
·14	·10	2/8	D.	— in NW.; and ⌊ in SE.
·15	·11	4/8	D.	⌊, and — throughout
·16	·12	1/8	D.	⌊, and ∖i in E., SE. and S.
·17	·13	1/8	A.	⌊ and ∖i in the E. SE. and S.
·18	·14	2/8	A.	⌊ and F. clds, in the SE. and NE: mist in the Hor.: no dew.
·19	·15	2/8	A.	⌊; and F. clds. scattered around the Hor: thick mist in the S. moving from the W. Hor.
·20	·16	1/8	A.	F. clds. in the S. and SE. Hor.: mist in the Hor.
·21	·17	1/8	G.	⌊ extending from N. to W.: mist all round the Hor.
·22	·18	1/8	G.	⌊ in the NW.; and mist all round the Hor.
·23	·19	1/4	G.	⌊, ∖i in the N., N. by W. and W; and mist in the Hor.
24· 0	·20		G.	Faint ∖i in the NW., and N: light fog in the SE. Hor.
·1	·21		D.	∖i in NW.
·2	·22		D.	Clear.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
24· 3	23·23		D.	Clear.
25· 4	25· 0	7/8	A.	F. clds.; ∖i and ⌊ moving S. Eastward
·5	·1	7/8	A.	F. clds.; and ∖i moving S. Eastward.
·6	·2	8/8	A.	Thin F. clds.; ∖i and ⌊ moving Eastward: mist in the E. Hor.
.7	·3	5/8	A.	⌊ and thin F. clds: Zth. partly clear.
·8	·4	2/8	A.	Overcast in the Hor.
·9	·5	4/8	G.	Overcast: Zth. clear.
·10	·6	4/8	G.	Overcast in the Hor.; Zth. partly clear.
·11	·7	6/8	G.	Overcast.
·12	·8	4/8	G.	Overcast in the Hor: Zth. clear.
·13	·9	2/8	D.	— in NW. and SE.
·14	·10	3/8	D.	— and ⌊ in NW., N. E., E. and SE. and S.
·15	·11	4/8	D.	— and ⌊ in E., W., N. and S.
·16	·12	4/8	D.	— and ⌊ in E., W., N. and S.: F. clds., near Zth.
·17	·13	4/8	A.	Overcast in the Hor.
·18	·14	7/8	A.	Thin F. clds.; ⌊ and ∖i: dew falling.
·19	·15	3/8	A.	Thin F. clds, ⌊ and ∖i; dew falling copiously mist in the E. Hor.
·20	·16	8/8	A.	Thin F. clds., ⌊ and ∖i moving S. Eastward; mist in the E. Hor., and around the Observatory.
·21	·17	8/8	G.	F. ⌒i; and ∖i scattered: mist in the E. Hor.
·22	·18	8/8	G	F. ⌒i, ⌊ and ∖i scattered: mist in the E. Hor.
·23	·19	8/8	G.	F. ⌒i below, and ∖i scattered: scud moving from N. to S. and SW; and mist in the Hor.
26· 0	·20	8/8	G.	F. ⌒i scattered throughout; scud moving from N. to SE., and S; and mist in the Hor.
·1	·21	7/8	D.	⌊ and F. clds., throughout.
·2	·22	7/8	D.	⌊, ∖i and F. clds, throughout.
·3	·23	7/8	D.	⌊, ∖i and F. clds., throughout.
·4	26· 0	7/8	D.	∖i, ⌊ and F. cld., throughout.
·5	·1	7/8	A.	Thin F. clds, overhead moving Southward, ⌊ scattered; haze in the E., SE. Hor.
6	·2	8/8	A.	Thin F. clds., in the Eastern Hor.; ⌊ and ∖i throughout: haze in the Hor.
·7	·3	5/3	A.	Overcast throughout: Zth. partly clear.
·8	·4		A.	Clear, Overcast in the S. Hor.
·9	·5		G.	— in the SE. and NW.
·10	·6		G.	Clear.
·11	·7		G.	Clear.
·12	·8		G.	Clear.
·13	·9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	.13		A.	Clear: dew falling.
·18	·14		A.	Thin F. clds., in the S. Hor: mist in the Hor.: dew falling.
·19	·15		A.	F. clds. in the W. Hor: mist in the Hor.
·20	·16	2/8	A.	F. clds. in the W., SW. and N. Hor. mist in the remaining Hor.
·21	·17	3/8	G.	F. clds; and ⌊ in the W, N. and NE., and mist in the Hor
·22	·18	3/8	G.	F. clds. and ⌊ in the W, N. and NE.; and mist in the Hor.
·23	·19	3/8	G.	F. clds. and ⌊ in the W, N. and NE. and mist in the Hor.
27· 0	·20	3/8	G.	∖⌒i; and F. ⌒i extending from W. to N. (by E.), and faint ∖i in the SE.
·1	·21		D.	⌊ in NW
·2	·22		D.	⌊ and ∖i in NW. and NE.
·3	·23		D.	⌊ and ∖i in NE, E. and SE: — in NW. and NE. Hor.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather
D. H.	D. H.			
27· 4	27· 0		D.	∿i in E. and W.: — in NW. Hor.
· 5	· 1		A.	Thin F. clds., in the W., NW. and NE. Hor: mist in the S.
· 6	· 2		A.	— and thick mist in the Hor.
· 7	· 3		A.	Clear
· 8	· 4		A.	Clear.
· 9	· 5		G.	Clear.
·10	· 6		G.	Clear
·11	· 7		G.	Clear.
·12	· 8		G.	Clear.
.13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		A.	Clear: No dew falling.
·18	·14		A.	Thick mist in the Hor
·19	·15		A.	Mist in the Hor.
·20	·16		A.	Black haze scattered from the SW. to N. Hor.: mist in the remaining part of the Hor.
·21	·17		G.	Foggy mist all round the Hor.
·22	·18		G.	Foggy mist all round the Hor.
·23	·19		G.	Mist in the Hor., all round.
28· 0	·20		G.	Slight mist in the Hor.
· 1	·21		D.	Clear.
· 2	·22		D.	Clear.
· 3	·23		D.	Slight fog in E. and SE. Hor.
· 4	28· 0		D.	Light fog in E. and SE. Hor.
· 5	· 1		A.	Mist extended from the N. Hor. to the S. Hor. (by E.)
· 6	· 2		A.	Thick black mist in the Hor.
· 7	. 3		A.	Clear.
· 8	· 4		A.	Clear.
· 9	· 5		G.	Clear.
·10	· 6		G.	Clear.
·11	· 7		G.	— in the SE. Hor.
·12	· 8		G.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		A.	Clear: dew deposited only on the tender leaves of the plantain tree.
·18	·14		A.	Mist in the Hor: dew deposited on all the leaves of the plantain tree.
·19	·15		A.	Thick mist in the Hor.
·20	·16		A.	Thick mist extended from the SW. to the N. Hor. (by W.): thin mist in the remaining Hor.
·21	·17		G.	Thick fog moving from N. to SW. Hor.; and thick mist in the E. and SE. Hor.
·22	·18		G.	Thick fog extending from N. to S. (by W.); and mist in the SE. and E. Hor.
.23	·19		G.	Slight mist all round the Hor.
29· 0	·20		G.	Slight mist all round the Hor.
· 1	·21		D.	Thin mist in Hor.
· 2	·22		D.	Thin mist in Hor.
· 3	·23		D.	∿i in NW.: mist in Hor.
· 4	29· 0	2/8	D.	∿i in E, W, S. and Zth.: mist in Hor.
· 5	· 1		A.	∿i in the Zth: mist in the Hor.
· 6	· 2	4/8	A.	Thin F. clds., in the Zth. moving N. Eastward: thick black mist in the Hor.
· 7	· 3		A.	Overcast in the S. Hor.
· 8	· 4		A.	Clear.
· 9	· 5		G.	Clear.
·10	· 6		G.	Clear.
·11	· 7		G.	Clear.
·12	· 8		G.	Clear.

Bombay Mean Time.	Gottingen Mean Time	Extent of Cloudy Sky.	Observer.	State of the Weather
D. H.	D. H.			
29·13	29· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Thick mist in E. and SE. Hor.
·17	·13		A.	Mist in the S. Hor.: no dew
·18	·14		A.	Mist in the E, S, and W. Hor: no dew.
·19	·15		A.	Mist in the Hor.
·20	·16		A.	Mist in the Hor.
·21	·17		G.	Mist in the Hor.
·22	·18		G.	Mist in the Hor.
·23	·19		G.	Mist in the Hor.
30· 0	·20		G.	Almost clear.
· 1	·21		D.	Clear.
· 2	·22		D.	Mist in E. and SE. Hor.
· 3	·23		D.	Mist in E. and SE. Hor.
· 4	30· 0		D.	Mist in E. and SE. Hor.
· 5	· 1		A.	Mist in the E., W , and SE. Hor.
· 6	· 2		A.	Thick black mist in the Hor.
· 7	· 3		A.	Clear.
· 8	· 4		A.	Clear.
· 9	· 5		G.	Clear.
·10	· 6		G.	Clear.
·11	· 7		G.	Clear.
·12	· 8		G.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear: dew dropping from the roof of the Observatory.
·15	·11		D.	Clear: dew dropping from the roof of the Observatory.
·16	·12		D.	Mist in E. and SE. Hor.: dew dropping from the roof of the Observatory.
.17	·13		A.	Overcast in the S. Hor.: dew deposited copiously on the leaves of the plantain tree.
·18	·14		A.	Mist in the Hor.: dew in abundance.
·19	·15		A.	Thick black mist in the W. Hor.: mist in the Hor.
·20	·16		A.	Thick black mist in the W. Hor.: mist in the Hor.
·21	·17		G.	Thick fog extending from N. to S. (by W.) Hor.; and mist from NE. to S. Hor.
·22	·18		G.	Thick fog in the N, NW. and W. Hor; and mist in the E. Hills.
·23	·19		G.	Thick fog in the N, NW. and W. Hor; and mist in the E. Hills.
31· 0	·20		G.	Thick mist on the E. Hills.
· 1	·21		D.	Thick mist in E. and SE. Hor.
· 2	·22		D.	Thick mist in E. and SE. Hor.
· 3	·23		D.	Thick mist in E. and SE. Hor.

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Bombay Mean Time.	Gottingen Mean Time	Extent of Cloudy Sky.	Observer.	State of the Weather
1· 4	1· 0	7/8	A.	L. F. clds. above; and D. F. clds. below moving Eastward.
· 5	· 1	5/8	A.	F. clds. in the Hor.: haze in the Zth.
· 6	· 2	6/8	A.	F. ⌒i almost ∿i in the Zth. moving N. Eastward: D. F. clds. around the Hor.
· 7	· 3	7/8	A.	F. ⌒i moving E. from the SW., W. and NW.: Zth. clearing up.
· 8	· 4	5/8	A.	Large mass of D. F. clds. moving N. Eastward: Zth. partly clear.
· 9	· 5	5/8	D.	D. F. clds. and ∿ scattered.
·10	· 6	3/8	D.	F. clds. in E.; ∿ in the Zth. and E. and N. of Zth.
·11	· 7	1/8	D.	F. clds. in E. and SE.
·12	· 8		D.	⎿ in the SE.
·13	· 9		G.	Clear.

FEBRUARY, 1846.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
1·14	1·10		G.	L. F ⌒i in the NW ; and ∖_ in the SE. dew depositing.
·15	·11	3/8	G.	L. F. ⌒i scattered : dew falling from the roof of the Observatory.
·16	·12	4/8	G.	L. F ⌒i scattered : dew falling from the roof of the Observatory.
·17	·13	2/8	A.	D. F. clds. in the Hor. scattered : dew depositing.
·18	·14		A.	F. clds. in the W., E and S. Hor.
·19	·15		A.	F clds in the W. and S. Hor.: mist in the remaining Hor
·20	·16		A.	Thick black mist extended from the SW. to the N. Hor. (by W,) haze in the Eastern Hor.
·21	·17		D.	Thick black mist extended from the W. and NW. Hor.: ⌒ in SE. Hor.
·22	·18	2/8	D.	Mist in the E. and SE. Hor.: ⌒ in the E and SE., and NW
·23	·19	2/8	D.	Mist in the E. and SE. Hor.: ⌒ in the E. and SE ; and F. ⌒ moving from NW to SE.
2· 0	·20		D.	Mist in the E. and SE. Hor : ⌒ in the SE.
· 1	·21		G.	⌒ in the E. and SE. Hor.
· 2	·22		G.	⌒ in the E. and SE. Hor.
· 3	·23		G.	⌒ in the E. and SE. Hor.
· 4	2· 0		G.	⌒ in the E. by SE. Hor.; and foggy mist in the Hor.
· 5	· 1		G.	⌒ in the S. by E. Hor.: mist in the E. Hor.
· 6	· 2		G.	Thick mist in the Hor.
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear
· 9	· 5		D.	Clear.
·10	· 6		D.	Clear.
·11	· 7		D.	Clear.
·12	· 8		D.	Clear.
·13	· 9		G.	Clear.
·14	·10		G.	Clear : dew depositing on plants and falling from the roof of the Observatory.
·15	·11		G.	— in the NW. and SE. Hor ; dew falling from the roof of the Observatory.
·16	·12	1/8	G.	— in the NW , SE and S. Hor ; dew falling from the roof of the Observatory.
·17	·13		A.	Overcast in the S. Hor ; dew deposited plentifuly on the leaves of the plaintain.
·18	·14		A.	Mist in the E. S and W. Hor : few F. clds. scattered in the NE. Hor.
·19	·15	1/8	A.	D. F. ⌒i in the E., NE. Hor., moving rapidly to the SW. Hor : mist in the Hor.; a F. cld. moving rapidly from the NE to the SW.
·20	·16		A.	Mist in the Hor.
·21	·17		D.	Fog in NW. and W. Hor
·22	·18		D.	Fog in NW. and W. Hor ; mist in E, and SE Hor.
·23	·19		D.	Mist in NE , E. and SE. Hor.
3· 0	·20		D.	Mist in NE , E. and SE. Hor
· 1	·21		G.	Mist in the Hor.
· 2	·22		G.	Clear.
· 3	·23		G.	Slight mist in the Hor.
· 4	3· 0		G.	Slight mist in the E. Hor.
· 5	· 1		A.	Black mist extended from the N. to the SE Hor.: (by E): ⌒ in the S. Hor.
· 6	· 2		A.	Black mist in the Hor.: F. clds. in the S. Hor.
· 7	· 3			Overcast in the S. Hor.
· 8	· 4		A.	Clear
· 9	· 5		D.	Clear
·10	· 6		D.	Clear.
·11	· 7		D.	Clear.
·12	· 8		D.	Clear.
·13	· 9		G.	Overcast in the SE. and NW. Hor ; dew depositing on plants, and falling from the roof of the Observatory

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky	Observer.	State of the Weather
D. H.	D. H.			
3·11	3·10		G.	— in the NW. Hor : dew depositing copiously on plants, &c
·15	·11		G.	— in the NW., W and SE Hor : dew depositing on plants, &c.
·16	·12		G.	— all round the Hor : dew depositing copiously on plants, &c.
·17	·13		A.	Overcast in the S. Hor.: dew deposited in abundance on the plants.
·18	·14		A.	Mist in the Hor.
·19	·15		A.	Thick black mist extended from the SW. to NW. Hor.: mist in the Hor.
·20	·16		A.	Thick black mist extended from the SW. to the NW. Hor : mist in the Hor.
·21	·17		D.	Fog in NW. Hor.: mist in NE., E. and SE. Hor.
·22	·18		D.	Fog in NW Hor : mist in NE., E. and SE. Hor.
·23	·19		D.	Fog in NW. Hor : mist in NE., E. and SE. Hor.
4· 0	·20		D.	Fog in NW. Hor : mist in NE., E. and SE. Hor.
· 1	·21		G.	Fog in W. and NW Hor : mist in NE , E. and SE. Hor.
· 2	·22		G.	Fog in W. and NW. Hor.: mist in NE., E and SE. Hor
· 3	·23		G.	Foggy mist all round the Hor.
· 4	4· 0		G.	Foggy mist all round the Hor.
· 5	· 1		A.	Faint mist in the Hor.
· 6	· 2		A.	Mist in the Hor.
· 7	· 3		A.	Clear.
· 8	· 4		A.	Clear.
· 9	· 5		D.	Clear.
·10	· 6		D.	Clear.
·11	· 7		D.	Clear.
·12	· 8		D.	Clear.
·13	· 9		G.	— in the SE. Hor.
·14	·10		G.	— in the SE., W. and NW. Hor : dew falling from the N roof of the Observatory.
·15	·11		G.	Overcast in the SE Hor.: dew falling from the N. roof of the Observatory.
·16	·12		G.	Overcast in the SE. and NW. Hor.; dew falling from the N. roof of the Observatory.
·17	·13		A.	Overcast in the S. Hor : dew deposited on the leaves of the plantains.
·18	·14		A.	Mist in the S. and E Hor.
·19	·15		A.	Mist in the Hor.
·20	·16		A.	Mist in the Hor
·21	·17		D.	Mist in the Hor.
·22	·18		D.	Mist in the Hor.
·23	·19		D.	Mist in the Hor.
5· 0	·20		D.	Mist in the Hor.
· 1	·21		G.	Mist in the Hor
· 2	·22		G.	Mist in the Hor.
· 3	·23		G.	Mist in the Hor.
· 4	5· 0		G.	Mist in the Hor,
· 5	· 1		A.	Mist in the Hor
· 6	· 2	3/8	A.	Thick black mist in the Hor.
· 7	· 3		A.	Clear.
· 8	· 4		A.	Clear.
· 9	· 5		D.	Clear.
·10	· 6		D.	Clear.
·11	· 7		D.	∖_ in the NW : F. clds. near the Zth ∽ forming in the South moving t the N., and vanishing.
·12	· 8		D.	∽i in the NW. and SE.
·13	· 9	1/8	G.	∽i in patches, moving from S to N and ∖_ in the W
·14	·10	5/8	G.	Clusters of ∽i and F. ⌒i in the W extending towards the Zth : ∖ along the Hor.
·15	·11	1/8	G.	Clusters of ∽i and F. ⌒i in the NE E and SE.; and ∖_ in the Hor.
·16	·12	2/8	G.	— in the Hor · Zth. perfectly clear
·17	·13		A.	Overcast in the S and Eastern Hor no dew

FEBRUARY, 1846.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
5·18	5·14	1/8	A.	F. clds. in the E, S and SW. Hor.: thick mist in the W. Hor: no dew falling.
·19	·15	1/8	A.	F. clds, scattered in the E., S. and W.: mist in the Hor.
·20	·16	1/8	A.	Two lines of F. clds extending from the N. to the SE. Hor. (by E.): mist in the Hor.
·21	·17		D.	∿ in the SE.: fog in NW. and W. Hor: mist from N. to S. (by E.) Hor.
·22	·18	1/8	D.	∿ in the SE. and E: fog in NW. and W. Hor.: mist from N. to S. (by E.) Hor.
·23	·19		D.	Mist from N. to S. (by E) Hor.: Fog in NW. and W. Hor.
6· 0	·20		D.	Mist all round the Hor.
· 1	·21		G.	Mist all round the Hor.
· 2	·22		G.	Mist all round the Hor.
· 3	·23		G.	Mist all round the Hor.
· 4	6· 0		G.	Mist in the Hor.
· 5	· 1		A.	Haze in the Hor.
· 6	· 2		A.	Thick mist in the Hor.
· 7	· 3		A.	Clear.
· 8	· 4		A.	Clear.
· 9	· 5		D.	Clear.
·10	· 6	4/8	D.	∿ scattered.
·11	· 7		D.	∿ in NW. and W.
·12	· 8		D.	∿ in the NW. and W. disappearing.
·13	· 9		G.	∿i in the E., and E. by S.
·14	·10		G.	Clear.
·15	·11		G.	— in the W., NW. and SE. Hor.
·16	·12		G.	Thin mist in the NW. and SE. Hor.
·17	·13		A.	Overcast in the Southern Hor.: dew deposited only on the tender leaves of the plantain tree.
·18	·14		A.	Mist in the Hor.
·19	·15		A.	Mist in the Hor.
·20	·16		A.	Mist in the Hor.
.21	·17		D.	Mist in the Hor.
·22	·18		D.	Mist in the Hor.
·23	·19		D.	Mist in the Hor.
7· 0	·20		D.	Mist in the Hor.
· 1	·21		G.	Mist in the Hor.
· 2	.22		G.	Mist in the Hor.
· 3	·23		G.	Mist in the Hor.
8· 4	8. 0		G.	Faint mist in the Hor.
· 5	· 1		A.	Haze in the Hor.
· 6	· 2		A.	Thick black mist in the Hor.
· 7	· 3		A.	Clear.
· 8	· 4		A.	Clear.
· 9	· 5		D.	Clear.
·10	· 6		D.	Clear.
·11	· 7		D.	Clear
·12	· 8		D.	Clear.
·13	· 9		G.	Clear.
·14	·10		G.	Clear.
·15	·11		G.	Clear.
·16	·12		G.	Clear.
·17	·13		A.	Overcast in the S. Hor: dew deposited on the tender leaves of the plantain tree.
·18	·14		A.	Mist in the E. and S. Hor.
·19	·15		A.	Mist in the Hor.
·20	·16		A.	Mist in the Hor.
·21	·17		D.	Mist in the Hor.
·22	·18		D.	Mist in the Hor.
·23	·19		D.	Mist in the Hor.
9· 0	·20		D.	Mist in the Hor.
· 1	·21		G.	Mist in the Hor.
9· 2	8.22		G.	Mist in the Hor.
· 3	·23		G.	Mist in the Hor.
· 4	9· 0		G.	Thin mist in the E., SE. and NE. Hor.
· 5	· 1		A.	Faint haze in the Hor.
· 6	· 2	3/8	A.	Thick mist in the Hor.
· 7	· 3		A.	Clear.
· 8	· 4		A.	Clear.
· 9	· 5		D.	Clear.
·10	· 6		D.	Clear.
·11	· 7		D.	Clear.
.12	· 8		D.	Clear.
·13	· 9		G.	∿i moving from NE. to South.
·14	·10		G.	Clear: dew falling from the roof of the Observatory.
·15	·11		G.	∿i moving from N. to S.: dew depositing
·16	·12		G.	Clear: dew depositing copiously.
·17	·13		A.	Clear: dew deposited in abundance.
·18	·14	2/8	A.	F. clds. in the NE. Hor. moving Southward (by E.); overcast in the W Hor: D. F clds. moving southward from the N, W. and E. Hor.
·19	·15	4/8	A.	Masses of D. F. clds. moving from the NW. to the E.; and from the SW. and W. to the S.: Zth. clear: mist in the S. Hor.
·20	·16	6/8	A.	Masses of D. F. clds. moving rapidly from the SW. to the SE. and from the W. Hor., extending to the Zth. from the N. and the E: ∿i scattered overhead.
·21	·17	4/8	D.	⌒_ in E., W., N. and S. Hor.; and D. F. clds. moving from NW. to SE.
·22	·18	6/8	D.	⌒_ and ⌒ in the Hor; and D. F. clds. moving from NW. to SE.
·23	·19	3/8	D.	⌒_ and ⌒ in the Hor; and D. F. clds. in a mass, moving from NW. to SE.
10· 0	·20	8/8	D.	⌒_ and ⌒ in the Hor.; and F. clds. moving from NW. to SE.
· 1	·21	6/8	G.	Large masses of ⌒i; and F. clds. moving from NW to S. and SE.: ⌒ in the W. Hor.
· 2	·22	4/8	G	⌒i in the E. and W. Hor.; ∿i and F. ⌒i, from NW. to E., Zth. clear.
· 3	·23		G.	⌒i in the SE and W. Hor.: ∿i and F. ⌒i, moving from W. to E.
· 4	10· 0	4/8	G.	⌒i in the W, S. and SE.; F ⌒i and ∿i moving, in scattered masses, from W. to E.: Zth. clear.
· 5	· 1	5/8	A.	D. F. ⌒i moving from the SW. to the E, from the W to the E., and from the NW. to the NE.: mist in the Hor.
· 6	· 2	6/8	A.	D. F. ⌒i moving from the SW., W. and NW. to the SE: black mist in the Hor.
· 7	· 3	6/8	A.	Masses of F. clds. moving rapidly from the W, SW. and N. to the SE.: F. ⌒i in the Hor. scattered.
· 8	· 4	7/8	A.	Large masses of D. F. clds. moving rapidly to the E.: F. ⌒i scattered in the Hor.
· 9	· 5	7/8	D.	Large masses of D. F. clds. moving from W. to E.; and ⌒ in the Hor.
·10	· 6	2/8	D.	⌒ from N. to S (by E.); and F. clds. moving from W. to E.
·11	· 7	1/8	D.	⌒ in the NW. and SE. Hor.
·12	· 8	1/8	D.	⌒ from N. to S. (by W.); and F. clds. moving from SW. to NE.
·13	· 9	6/8	G.	⌒ in the Hor. extending towards the Zth; and D. F. clds. moving in large masses from W. to E.
·14	·10	4/8	G.	D ⌒i in the Hor; and F. ⌒i and ∿i moving from W. to E.: Zth. clear.
·15	·11	6/8	G.	D. ⌒i; and F. ⌒i moving NEd. from all quarters.
·16	·12	4/8	G.	— below and D. ⌒i above in the NE. and SE.; a cluster of ∿i moving rapidly from W. to E.
·17	·13	4/8	A.	Masses of D. F. clds. moving SE. from the W and N.: F. ⌒i in the Hor.: dew depositing.
·18	·14	8/8	A.	The whole sky overcast with clouds almost ∿_: dew deposited, only, on the tender leaves of the plantain tree.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
10·19	10·15	7/8	A.	Large masses of D. F. clds. almost ∨∩_ moving SE. from the W. NW. and SW : Zth. clearing up rapidly.
·20	·16	7/8	A.	∨∩_ in the S ; three huge masses of D. F. clds one from the N., one from the W and one from the SW. all three moving E. and stretching Horizontally very rapidly.
·21	·17	7/8	D.	∨∩_ ; and D. F. clds. moving from NW. to SE : ∩ and ⁄ ∟ in Hor.
·22	·18	4/8	D.	∩ and ∩_ in Hor ; and F. clds. moving from NW. to SE.
·23	·19	3/8	D.	∩ and ∩_ in Hor.; ∨∩_ in the W.
11· 0	·20	3/8	D.	∩ and ∩_ in Hor ; ∨∩_ in the W.; and F. clds. in the SE.
· 1	·21	3/8	G.	∩i all round the Hor.: Zth. perfectly clear.
· 2	·22	3/8	G.	∩_ in the SE. Hor ; and D ∩ in the remaining part of the Hor. moving towards the E.
· 3	·23	4/8	G.	∩_ in the SE. Hor.; and D. ∩ in the remaining part of the Hor. moving towards the E.
· 4	11· 0	6/8	G.	∩_ in the E and SE ; and F. ∩i moving, in scattered masses, from W. to E.
· 5	· 1	4/8	A.	D. F. clds scattered moving SE : F. ∩i scattered in the Hor.: ∨i in the Zth.
· 6	· 2	5/8	A.	D. F. clds. scattered moving SE.: F. ∩i scattered in the Hor.: mist in the Hor.
· 7	· 3	3/8	A.	F. ∩i scattered, around the Hor. moving SE.: Zth. clear.
· 3	· 4	2/8	A.	F. clds scattered in the SE. and NE. Hor : Western Hor. cleared ; the Zth. clear.
· 9	· 5	8/8	D.	F. clds. scattered throughout, moving from W. to E.
·10	· 6	6/8	D.	F. clds. moving from W. to E ; and ∩ in the Hor.
·11	· 7	3/8	D.	F. clds. scattered in the Hor.; a mass in the N. moving from W. to E.: Zth. clear.
·12	· 8	4/8	D.	F. clds. scattered in the Hor., and in Zth moving from W. to E.
·13	· 9	6/8	G.	D. ∩i in the Hor.; and F. ∩i moving in huge masses from W. to NE
·14	·10	5/8	G.	D. ∩i in the Hor.; and clusters of F. ∩i moving NE. from all quarters.
·15	·11	4/8	G.	D. ∩i in the Hor ; and clusters of F. ∩i moving NE. from W.
·16	·12	7/8	G.	D. F. ∩ ; and ∨∩i scattered.
·17	·13	3/8	A.	D. F. clds. scattered moving Ed , F. ∩i scattered in the Hor.: Zth. clear.
·18	·14	6/8	A.	D. F ∩i scattered in SE ; F ∩i moving in the Hor.: dew falling.
·19	·15	3/8	A.	D. F. ∩i in the Hor.: mist in the E. and S. Hor.
·20	·16	6/8	A.	Masses of D. F. clds. in the Zth. moving SE.; F ∩i in the Hor.: mist in the E. and S. Hor.
·21	·17	2/8	D.	∩ in the Hor.; and F. clds. in the NW.
·22	·18	3/8	D.	∩ in the Hor ; and F. clds. in the N. moving from W. to E : Zth. clear.
·23	·19	5/8	D.	∩ in the Hor.; and F. clds. moving from W. to E. thin ∖_ in SE
12· 0	·20	3/8	D.	∩ in the Hor.; and F. clds. in SE. and NE. ∨∩_ in the NW.
· 1	·21	2/8	G.	∩ extending from E. to N. (by W): a mass of F. clds moving rapidly from W. to E.
· 2	·22	1/8	G.	∩ extending from E (by S.) to N. Hor.
· 3	.23	1/8	G.	∩ extending from SE. to N. Hor
· 4	12· 0		G.	∩ in the E. Hor.
· 5	· 1		A.	Clear.
· 6	· 2		A.	Mist in the Hor.
· 7	· 3		A.	Clear.
· 8	· 4		A.	Clear.
· 9	· 5		D.	Clear.
·10	· 6		D.	Clear.
·11	· 7		D.	Clear.
·12	· 8		D.	Clear.
·13	· 9		G.	Clear.
·14	·10		G.	Clear.
12·15	12·11		G.	Clear.
·16	·12		G.	∩ in the W. Hor.
·17	·13		A.	F. ∩i in the W. Hor, and in the Zth. moving rapidly Southward : F. clds. in the NE. Hor.
·18	·14		A.	F. clds. scattered in the NE. and E Hor.: F ∩i almost ∨∩i moving Southward from the Zth.: dew deposited on the plantain leaves.
·19	·15		A.	F. ∩i scattered in the W. and Southern Hor : mist in the Hor
·20	·16		A.	Mist in the Hor.
·21	·17		D.	Mist in the Hor.
·22	·18		D.	Mist in the Hor.
·23	·19		D.	Mist in the Hor.: ∩ in SE. Hor.
13· 0	·20		D.	Mist in the Hor.: ∩ in N., NE., E and SE. Hor.
· 1	·21		G.	Mist in the Hor : ∩i in the N., E., NE. and SE. Hor.
· 2	·22		G.	Mist in the Hor.: ∩i in the E. Hor.
· 3	·23		G.	Mist in the Hor : ∩ in the N Hor.
· 4	13· 0		G.	Mist in the Hor.
· 5	· 1		A.	Mist in the Hor.
· 6	· 2	4/8	A.	Thick black mist in the Hor
· 7	· 3		A.	Clear.
· 8	· 4		A.	Clear.
· 9	· 5		D.	Clear.
·10	· 6		D.	Clear.
·11	· 7		D.	Clear.
·12	· 8		D.	Clear.
·13	· 9		G.	Clear.
·14	·10		G.	Clear
·15	·11		G.	Clear : dew deposited on the roof of the Observatory.
·16	·12		G.	Clear : dew deposited on the roof of the Observatory.
·17	·13		A.	Clear : dew deposited on the plantain leaves.
·18	·14		A.	Mist in the E. and S. Hor.
.19	·15	2/8	A.	Thick black mist in the W , NW. Hor : and mist in the remaining Hor.
·20	·16	1/8	A.	Mist in the Hor.
·21	·17		D.	Mist in the Hor
·22	.18		D.	Mist in the Hor.
·23	·19		D.	Mist in the Hor.
14· 0	·20		D.	Mist in the Hor.
· 1	·21		G.	Mist in the Hor.
· 2	·22		G.	Mist in the Hor
· 3	·23		G.	Mist in the Hor
15. 4	15· 0		G.	Haze in the E. and S. Hor.
· 5	· 1		A.	Haze in the E. and S. Hor.
· 6	· 2	2/8	A.	Thick black mist in the Hor , its height about 15°.
· 7	· 3		A.	Clear.
· 8	· 4		A.	Clear.
· 9	· 5		D.	Clear.
·10	· 6		D.	Clear.
·11	· 7		D.	Clear.
·12	· 8		D.	Clear.
·13	· 9		G.	Clear.
·14	·10		G.	Clear . dew depositing on plants, &c.
·15	·11		G.	— in the NW Hor : dew falling from the roof of the Obervatory.
·16	·12		G.	Clear : dew depositing on plants.
·17	·13		A.	Clear dew deposited copiously on the plantain leaves.
·18	·14	1/8	A.	F. clds. scattered in the E Hor · mist in the Hor
·19	·15		A.	Mist in the Hor.
·20	·16		A.	Thick black haze throughout the Hor.
·21	·17		D.	Fog in NW. and W. Hor.: ∨i in SE ; and mist in the other parts of the Hor.: ∨∩ in SE

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Bombay. Mean Time	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
15·22	15·18		D.	Fog in NW and W. Hor: thin ∖i and ∖_ in NE., E. and SE: ∖⌒ in SE.
·23	·19		D.	Mist in the Hor.: thin ∖i and ∖_, and ∖⌒i in SE.
16· 0	·20	3/8	D.	Mist in the Hor; ∖⌒ scattered throughout.
· 1	·21	4/8	G.	Mist in the Hor.: — below and ⌒i above in the E., SE., N. NE and W.; and faint ∖i in the S.
· 2	·22	4/8	G.	Mist in the Hor.: — below and ⌒i above in the E., SE., N. NE. and W.; and a few ∖⌒ moving NW.
· 3	·23	4/8	G.	Mist in the Hor: L. F. clds. in the SW; ⌒ extending from S. (by E.) to N.
· 4	16· 0	4/8	G.	— in the E. Hor.: ∖⌒ and ⌒i scattered.
· 5	· 1	4/8	A.	F. ⌒i; and D. F. clds. scattered around the Hor.
· 6	· 2	4/8	A.	F clds around the Hor.: F. ⌒i almost ∖ i SW. of Zth., moving W.: ∖i formed overhead.
· 7	· 3	4/8	A.	F. clds. scattered around the Hor.: Zth clear: mist in the E Hor.
· 8	· 4	2/8	A.	F. clds. scattered in the Hor.
· 9	· 5	2/8	D.	F. clds. scattered throughout.
·10	· 6	3/8	D.	F. clds. scattered throughout.
·11	· 7	7/8	D.	D. clds scattered throughout, moving from S. to N.
·12	· 8	6/8	D	D. clds. scattered throughout, moving from S to N.
·13	· 9	4/8	G.	— in the SE. and E. Hor; and F. ⌒i scattered, moving from W. to E.: Zth. clear.
·14	·10	4/8	G.	— in the SE. and E. Hor; and F. ⌒i scattered, moving from W. to E.: Zth. clear.
·15	·11	5/8	G.	F. clds. moving in a mass from E and W.: partly clear in the NE and Zth.
·16	·12	3/8	G.	F. clds. extending from the S to W. (by N.)
·17	·13		A.	A few ∖⌒i scattered in the SW.: dew deposited on the tender leaves of the plantain tree.
·18	·14	1/8	A.	F. clds. extending from the NE. to the SW. Hor. (by E.): mist in the remaining Hor.
·19	·15	1/8	A.	F. clds. scattered in the E., S., and SW. Hor.: mist in the remaining Hor.
·20	·16	1/8	A.	A few F. ⌒i scattered in the S. and SW. Hor.: mist in the remaining Hor.
·21	·17	2/8	D.	∖⌒ in W., SW., S., N. and Zth.
·22	·18	1/8	D.	∖⌒ in NW; and ∖_ in SE.
·23	.19	2/8	D.	∖⌒ in NW. and SE.
17· 0	·20	2/8	D.	∖⌒ from NE. to SW. (by S.); and ⌒ in NE. and E.
· 1	·21	4/8	G.	⌒ extending from SE. to N. (by W.); ∖⌒i in patches; and faint ∖i around the Zth.
· 2	·22	4/8	G.	⌒ extending from SE to N. (by W.); ∖⌒i in patches; and faint ∖i around the Zth.
· 3	·23	4/8	G.	⌒ extending from SE to W.
· 4	17· 0		G.	⌒, ∖⌒ and F. ⌒i scattered: clear in the W.
· 5	· 1	6/8	A.	⌒i in the NE.; F. ⌒i scattered in the Hor.: ∖i in the W. Hor., Zth. clear.
· 6	· 2	4/8	A.	A large mass of ⌒ in the NE.; F. ⌒i in the Hor: thick black mist in the W. Hor.
· 7	· 3	3/8	A.	F. clds. scattered in the Hor.
· 8	· 4	2/8	A.	F. clds. scattered in the Hor.
· 9	· 5	1/8	D.	F. clds. scattered NW. and SE. and E.
·10	· 6	1/8	D.	F. clds. scattered NW. and SE. and E.
·11	· 7		D.	F. clds. scattered SE.
·12	· 8	6/8	D.	∖⌒i scattered throughout.
·13	· 9	4/8	G.	∖⌒i and F. ⌒i in the W. and E. of Zth.; ∖_ in the NE. and E. Hor.; and — in the W and NW. Hor..
·14	·10	3/8	G.	⌒ all round the Hor.
·15	·11.	5/8	G.	F. clds. extending from E. to S. (by W.): — in the W. Hor.; and ∖⌒i scattered.
·16	·12	6/8	G.	F. clds. extending from E. to W.: — in the NW. Hor; ∖⌒i scattered.
17·17	17·13	4/8	A.	F. ⌒ almost ∖⌒i scattered in the Zth moving NE.; F clds in the Hor.: dew deposited.
·18	·14	6/8	A.	∖⌒i extended from the W. to the N. moving [illegible]; F. ⌒i scattered in the Hor: Zth partly clear.
·19	·15	2/8	A.	F. clds. scattered in the Hor; a few ∖⌒i in the SW.: thick black mist in the W. Hor.
·20	·16	2/8	A.	F. clds scattered in the E., S. and NE. Hor.: mist in the remaining Hor.
·21	·17		D.	∖_ in SE.: fog in NW. and W. Hor.; and mist in the remaining Hor.
·22	·18		D.	∖⌒ in SE: fog in NW. and W. Hor.; and mist in the remaining Hor.
·23	·19		D.	⌒ in SE. Hor: mist in the Hor.
18· 0	·20		D.	⌒ in NE, E and SE. Hor.: mist in the Hor.
· 1	·21	2/8	G.	⌒ extending from SE. to N.
· 2	·22	2/8	G.	⌒ extending from SE. to N.: haze round the Hor.
· 3	·23	2/8	G.	⌒ extending from SE. to N.; haze round the Hor.; and ∖⌒i in the N.
· 4	18· 0		G.	⌒ extending from SE., to N.; and haze all round the Hor.
· 5	· 1	2/8	A.	⌒i extending from the SW. to the NE. Hor (by E): haze in Zth. and in the W.
· 6	· 2	6/8	A.	⌒i extending from the NE. to the S. Hor, F. ⌒i from the S. moving gently to the W.: thick black haze in the N. and W Hor.
· 7	· 3	6/8	A.	∖⌒i in the Zth: overcast with F. clds. around the Hor.
· 8	· 4	7/8	A.	F. clds. scattered throughout moving Westward.
· 9	· 5	7/8	D.	Overcast with D. F. clds.
·10	· 6	6/8	D.	∖⌒_ scattered, moving from E. to W.
·11	· 7	4/8	D.	∖⌒_ scattered: Zth. clear.
·12	· 8	4/8	D.	∖⌒_ scattered: Zth. clear.
·13	· 9	5/8	G.	F. ⌒i scattered.
·14	·10	4/8	G.	L. F. clds. in the E., NE. and SW.: Zth. clear.
·15	·11	1/8	G.	L. F. ⌒i and — in the Hor.
·16	·12	6/8	G.	Densely overcast with ⌒i and ∖⌒_i: clear in the NE.
.17	·13	6/8	A.	Masses of D. F. clds scattered around the Hor: F. ⌒i scattered in the Zth. moving Westward.
·18	·14	6/8	A.	D. F clds. around the Hor.; D. F. ⌒i scattered in the Zth. moving Eastward: no dew.
·19	·15	5/8	A.	A mass of F. clds. in the W., moving gently, Northward: the Hor. overcast with F. clds.
·20	·16	7/8	A.	F. clds. in the Zth. moving very slowly N. Eastward: ⌒i and F. clds. in the Hor: mist in the W. Hor.
·21	·17	6/8	D.	F. clds. and ∖⌒ scattered throughout: fog in the NW. and W. Hor.
·22	·18	5/8	D.	F. clds and ∖⌒ scattered throughout: fog in the NW. and W. Hor.
·23	·19	7/8	D.	F. clds. and ∖⌒ scattered throughout: fog in the NW. and W. Hor.
19· 0	·20	6/8	D.	F. clds and ∖⌒ scattered throughout: ⌒ from NE. to SE. Hor.; and fog in Hor.
· 1	·21	7/8	G.	⌒i Extending from SE to N.; ∖⌒ and L F. clds scattered: slight haze in the Hor.
· 2	·22	6/8	G.	⌒i Extending from SE. to N.; ∖⌒ and L F. clds. scattered: slight haze in the Hor.
· 3	·23	4/8	G.	⌒i Extending from SE. to N.: ∖i and L. F. clds. in the S.
· 4	19· 0	1/8	G.	⌒_ extending from E. to N.; and haze in the Hor.
· 5	· 1	2/8	A.	⌒i in the NE., E. and S. Hor.: light haze in the West.
· 6	· 2	2/8	A.	⌒i extended from the N. to the S. Hor (by E.): ∖_ in the SW Hor; and dense mist in the W, NW. and SE. Hor.
· 7	· 3	1/8	A.	F. clds. scattered in the Hor.
· 8	· 4		A.	F. clds. in the W. Hor.
· 9	· 5		D.	Clear.
·10	· 6		D.	F. clds. in the NW.
·11	· 7		D.	∖_ in SE.
·12	· 8		D.	F. clds. in the NE., SE. and NW.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
19·13	19· 9		D.	L F c'lds. ⌒i and ╲i round the Hor.
·14	·10		G.	╲_ in the E. Hor.
·15	·11	6/8	G.	D. F. clds. scattered moving from E. to W.; and — in the W. and NW. Hor.
·16	·12	6/8	G.	D. F. clds. scattered moving from SE. to N.; and — in the Hor.
·17	·13	7/8	G.	Masses of D. F. clds. scattered throughout, moving very slowly Eastward: no dew.
·18	·14	7/8	A.	F. clds around the Hor.: masses of D. F. clds. scattered overhead moving slowly Eastward.
·19	·15	4/8	A.	F clds. in the Hor; dense mist in the W. Hor.: Zth. clear.
·20	·16	5/8	A.	F. clds in the Hor.; F. ⌒i resembling ∨⌒i moving NEd. from the Zth: mist in the NW. and W. Hor.
·21	·17	5/8	A.	F. clds.; and ∨⌒ scattered throughout: fog in NW. and W. Hor.
·22	·18	3/8	D.	F. clds; and ∨⌒i in the Zth.
·23	·19	1/8	D.	∨⌒ in NE., SE and S: haze throughout.
20· 0	·20	1/8	D.	∨⌒ in SE; and F ⌒i in NW. NE. and E.: haze throughout.
· 1	·21	1/8	D.	F. ⌒i in the NE, E, S. and W: thick mist in the E. Hor.; and haze throughout.
· 2	·22	1/8	G.	F. ⌒i and ∨⌒ scattered: thick mist in the E. Hor.: faint ╲ throughout.
· 3	·23	2/8	G.	∨⌒i in the E. and S.: ⌒i in the N.; and F. ⌒i in the NE. and E. by N; haze throughout.
· 4	20· 0		G.	⌒i and F. ⌒ in the E Hor.: thin mist throughout.
· 5	· 1	1/8	A.	F. ⌒i scattered in the NE., E. and SE.: mist in the Hor.
· 6	· 2	1/8	A.	F. ⌒i scattered in the E. and SE. Hor.: dense mist in the Hor.
· 7	· 3	1/8	A.	A few F. ⌒ scattered in the E. and SE Hor.: dense mist in the W. and NW. Hor.
· 8	· 4		A.	Clear.
· 9	· 5		D.	Clear
·10	· 6		D.	Clear.
·11	· 7		D.	Clear.
·12	· 8		D.	Clear.
·13	· 9		G.	Clear.
.14	·10		G.	Clear.
·15	·11		G.	Clear
·16	·12		G.	— in the E. Hor.
·17	.13	1/8	A.	F ⌒i in the E. and S. Hor: no dew.
·18	·14	1/8	A.	F. clds scattered in the NE, E. and SE Hor: dense mist in the N. Hor.
·19	·15		A.	F. clds scattered in the NE., E. and S Hor: dense mist in the remaining parts of the Hor.
·20	·16		A.	F. clds scattered in the NE., E. and S. Hor: dense mist in the remaining parts of the Hor.
·21	·17		D.	Mist in the Hor.
·22	·18		D.	Mist in the Hor.
·23	·19		D.	Mist in the Hor.
21· 0	·20		D.	Mist in the Hor.
· 1	·21		G.	Slight mist in the Hor
· 2	·23		G.	Clear
· 3	·22		G.	Clear.
22· 4	22· 0		G.	⌒i in the Hor. except the N. and S.
· 5	· 1		A.	⌒i scattered in the NE, E and S. Hor: haze in the N. Hor.
6	· 2		A.	A few F. clds. in the S. Hor: dense mist all round the Hor
· 7	· 3		A.	Overcast in the NW. Hor
· 8	· 4		A.	Clear
· 9	· 5		D.	Clear.
·10	· 6		D.	Clear
·11	· 7		D.	Clear.
·12	· 8		D.	Clear: a large meteor flashed in the SE. and passed towards the E.
·13	· 9		G.	Clear: dew depositing.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
22·14	22·10		G.	Clear: dew depositing: a meteor passed from a little above the Hor. towards the Hor in the NW.
·15	·11		G.	L F. clds. in the S. and SE.: dew depositing.
·16	·12		G.	White mist in the S. and SE.
·17	·13		A.	Overcast in the W. Hor: dew deposited copiously on the plantain tree.
·18	·14	1/8	A.	F. clds. extended from the NW. to the SW. Hor (by W.): mist in the E. Hor.
·19	·15	1/8	A.	F. clds. extended from the NW. to the S. Hor. (by W.). mist in the remaining Hor, dense in the N.
·20	·16	1/8	A.	F. clds. extended from the NW. to the S. Hor. (by W.): mist in the remaining Hor. dense in the N. Hor.
·21	·17		D.	F ⌒ in NW.: mist in the Hor.
·22	·18		D.	F. ⌒ in NW. and N.: mist in the Hor: ∨⌒_ in NW. Hor.
·23	·19		D.	F. ⌒ in N; and ∨⌒_ in NW. Hor.: mist in the Hor.
23· 0	·20		D.	∨⌒_ in NW. Hor.
· 1	·21		G.	Clear.
· 2	·22		G.	Clear.
· 3	·23		G.	Clear.
· 4	23· 0		G.	Clear.
· 5	· 1		A.	Clear.
· 6	· 2		A.	Mist in the Hor
· 7	· 3		A.	Mist in the W Ho
· 8	· 4		A.	Clear.
· 9	· 5		D.	Clear.
·10	· 6		D.	Clear.
·11	· 7		D.	Clear.
·12	· 8		D.	Clear
·13	· 9		G.	L. F. clds. scattered.
·14	·10	3/8	G.	L. F. clds. scattered.
·15	.11	2/8	G.	Overcast in the Hor.
·16	·12	5/8	G.	Overcast: Zth. partly clear.
·17	·13	3/8	A.	Overcast with F. clds.: Zth. clear: dew deposited on the plantain tree.
·18	·14	3/8	A.	F. clds. in the Hor: F. ⌒i in the N. moving SE.: Zth. clear.
·19	·15	6/8	A.	D. F. clds. in the Hor.: masses of F. clds from the N. and W. moving Southward.
·20	·16	3/8	A.	D. F. ⌒i in the Hor.: dense mist in the W. Hor: F. ⌒i from the N. moving Eastward.
·21	·17	2/8	D.	F. ⌒ in N and NW.: ⌒ in E., SE. and NW. Hor: ∨⌒_ in NW. Hor.: and dense F. clds. moving from N. to S.
·22	·18	2/9	D.	F. clds. moving from N to S.: ⌒ in SE. Hor.: and ∨⌒_ in NW. Hor.
·23	·19		D.	Thin F. clds. in the Zth and S. moving E.: haze in the Hor.
24· 0	·20		D.	Haze in the Hor.
· 1	·21		G.	⌒i in the E. Hor.: slight haze in the NE, W. and SW. Hor.
· 2	·22		G.	⌒i in the E. Hor.: slight haze in NE. Hor.
· 3	·23		G.	⌒i in the E. Hor.: slight haze in NE. Hor.
· 4	24· 0		G.	⌒i in the E. Hor.
· 5	· 1		A.	Clear.
· 6	· 2	2/8	A.	D mist in the Hor.
· 7	· 3		A.	D mist in the Western Hor.
· 8	· 4		A.	Clear.
· 9	· 5		D.	Clear.
·10	· 6		D.	Clear
·11	· 7		D.	Clear.
·12	· 8		D.	Clear.
·13	· 9		G.	Clear
·14	·10		G.	Clear.
·15	·11	2/8	G.	Overcast with L. F. clds. in the S, E. and N.: clear spaces in the Zth. and W.
·16	·12	6/8	G.	L. F. clds. scattered.

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D. H.	D. H.			
24·17	24·13	3/8	A.	F. clds. scattered: Zth. clear: dew deposited on the plantain tree.
·18	·14	6/8	A.	D. F. clds. in the Hor.: masses of D. F. clds. moving Southward from the W., N. and E.
·19	·15	3/8	A.	D. F. clds. in the Hor.: a mass of D. F. clds. in the W.; and L. F. ⌒\i in the Zth., moving Southward.
·20	·16	3/8	A.	F. clds. in the Hor.: D. mist in the NW. and W. Hor.
·21	·17	2/8	D.	F. clds. in the N.; and ⌒ from N. to S. (by E.) and in NW. Hor.
·22	·18	3/8	D.	F. clds. moving from N. to S.; F. ⌒\i in the N.: ⌒ from N. to S. (by E.); and \ haze along the E. and Zth.
·23	·19	3/8	D.	F. clds. moving from N. to S.; F. ⌒\i in the N.: ⌒ from N. to S. (by E.): ⋁_ in NW. Hor.: — in E. and SE.
25· 0	·20	1/8	D.	⌒ in NE. and SE. Hor.; and ⋁_ in NW. Hor.
· 1	·21		G.	⌒ in E. and SE. Hor.
· 2	·22		G.	⌒ in E. and SE. Hor.: haze in the NW. and W. Hor.
· 3	·23		G.	⌒ in E. and SE. Hor.: haze in the NW. and W. Hor.
· 4	25· 0		G.	⌒\i in the E. and SE.: haze in the NW. and W. Hor.
· 5	· 1		A.	⌒ in the SE. Hor.; and L. F. clds. in the W. Hor.: mist in the E. Hor.
· 6	· 2	2/8	A.	Mist in the Hor.
· 7	· 3		A.	Clear.
· 8	· 4		A.	Clear.
· 9	· 5		D.	Clear.
·10	· 6		D.	Clear.
·11	· 7		D.	Clear.
·12	· 8		D.	Clear.
.13	· 9		G.	Clear.
·14	·10		G.	Clear.
·15	·11	1/8	G.	L. F. clds. scattered in the S., SE., E and N.: Zth. clear.
·16	·12	5/8	G.	D. F. ⌒\i in the E.; and L. F. clds. scattered: Zth. overcast.
·17	·13	3/8	A.	D. F. ⌒\i scattered in the Hor.: two masses of D. F. clds. overhead moving S.: very minute particles of dew on the plantain tree.
·18	·14	3/8	A.	D. F. ⌒\i scattered in the Hor.; large masses of D. clds in the SW.
·19	·15	2/8	A.	D. F. clds. in the SW., W., and NW. Hor.: mist in the remaining Hor.
·20	·16		A.	F. ⌒\i in the SW. Hor.: thick mist in the W. Hor.; and light mist in the remaining Hor.
·21	·17		D.	Mist in the Hor.
·22	·18		D.	Mist in the Hor.
·23	·19		D.	Mist in the Hor.
26· 0	·20		D.	Mist in the Hor.
· 1	·21		G.	Haze all round the Hor.
· 2	·22		G.	Haze all round the Hor.
· 3	·23		G.	Foggy mist all round the Hor.
· 4	26· 0		G.	Foggy mist all round the Hor.
· 5	· 1		A.	Haze in the Hor.
· 6	· 2		A.	Dense mist in the Hor.
· 7	. 3		A.	Clear.
· 8	· 4		A.	Clear.
· 9	· 5		D.	Clear.
·10	· 6		D.	F. clds. in NE., NW., W. and SE.
·11	· 7		D.	F. clds. in NW.
·12	· 8		D.	F. clds. in NW., NE., SE., S. and SW.
·13	· 9	3/8	G.	L. F. clds. scattered: Zth. clear.
·14	·10	4/8	G.	D. F. clds. scattered: Zth. clear.
·15	·11	5/8	G.	D. F. clds. scattered: Zth. Overcast.
·16	·12	2/8	G.	L. F. clds. scattered: Zth. clear: white mist in the NE.
·17	·13	2/8	A.	D. F. clds. scattered in the Hor.: dew deposited slightly on the plaintain tree.
·18	·14	2/8	A.	D. F. clds. scattered in the Hor.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky	Observer.	State of the Weather.
D. H.	D. H.			
26·19	26·15	2/8	A.	D. F. clds. extended from the N. to the S. Hor. (by W.): mist in the remaining Hor.: L. F. clds. overhead moving SWd.
·20	·16	2/8	A.	D. F. clds. extended from the N. to the S. Hor. (by W.): mist in the remaining Hor.: L. F. clds. overhead moving SWd.
·21	·17	3/8	D.	⌒ from N. to S. (by E.) and in NW. Hor.: \i in NW., W., N. and NE.
·22	·18	4/8	D.	⌒ in NW., NE., N., E., SE. and S. Hor.; and \i in NW., N., NE., E. and SE.: \ haze throughout.
.23	·19	1/8	D.	⌒ in NW. Hor.; F. clds. in N. and NW.; \i in NE. and SE.: \ haze throughout.
27· 0	·20		D.	⌒ in NW. Hor.; F. clds. in NE.: \ haze throughout.
· 1	·21		G.	⌒ in the W. Hor.; and haze throughout.
· 2	·22		G.	⌒ in the W. Hor.; and haze all round the Hor.
· 3	·23		G.	⌒ in the W. Hor.; and light fog in the E., W. and NW. Hor.
· 4	27· 0		G.	⌒ extending from W. to SW. Hor.: light fog all round the Hor.: and thin mist throughout.
· 5	· 1	2/8	A.	F. ⌒\i extending from the N. to the S. Hor. (by W.): mist in the remaining Hor.
· 6	· 2	2/8	A.	Detached F. clds. extending from the N. to the S. Hor. (by W.): D. mist in the remaining Hor.
· 7	· 3		A.	Overcast in the W. Hor.: mist in the E. Hor.
· 8	· 4		A.	Overcast in the W. Hor.
· 9	· 5		D.	Clear.
·10	· 6		D.	Clear.
·11	· 7		D.	_; and F. clds. in the NW.
·12	· 8		D.	_ in the NE. and SE.; and F. clds. in the NE.
·13	· 9		G.	Clear.
·14	·10		G.	Clear.
·15	·11		G.	White mist in the SE.
·16	·12		G.	F. ⌒\i in the SE.; and white mist in the SE. and S.
·17	·13	1/8	A.	D. F. clds. scattered in the Hor.: dew deposited on the plantain tree.
·18	·14	2/8	A.	D. F. clds. extending from the N. to the S. Hor. (by W.): L. F. ⌒\i in the remaining Hor.
·19	·15	4/8	A.	D. F. clds. in the Hor.; and D. F. ⌒\i moving SE. from the N. and NW.: Zth. clear.
·20	·16	3/8	A.	F. clds. scattered in the Hor.: Zth. Clear.
·21	·17	3/8	D.	⌒ from N. to S. (by E.) and in the NW. Hor.: F. clds. in the N.
·22	·18	1/8	D.	⌒ in the NW., NE., E. and SE. Hor.; F. clds. in the NW., and N.; _ in the NW.; — in the N. and NE.
·23	·19		D.	⌒ in the NW., NE., and S., Hor.: \i in the NW.; an _i scattered throughout.
28· 0	·20	1/8	D.	⌒ in the NE. NW., E., and SE. Hor.; _ in the NW., N. and NE.: F. clds. and \i in the N.
· 1	·21		G.	⌒ in the W. Hor: \i and mist scattered all round the Hor.
· 2	·22	6/8	G.	L. F. clds.; \i scattered: mist all round the Hor.
· 3	·23	2/8	G.	_ in the E. and NE.: mist all round the Hor.; and ⌒ in the W.
· 4	28· 0		G.	_ in the E., NW.: mist all round the Hor.; and ⌒ in the W.
· 5	· 1	2/8	A.	F. clds. extending from the N. to the S. Hor. (by W.): D. mist in the other parts of the Hor.
· 6	· 2	2/8	A.	F. clds. extending from the N. to the S. Hor. (by W.): D. mist in the other parts of the Hor.
· 7	· 3	1/8	A.	Overcast in the W. Hor.
· 8	· 4	1/8	A.	F. clds. in the W. Hor.
· 9	· 5	1/8	D.	F. clds. scattered all round the Hor.
·10	· 6	2/8	D.	F. clds. scattered all round the Hor.
·11	· 7	2/8	D.	F. clds. scattered all round the Hor.
·12	· 8	2/8	D.	F. clds. scattered all round the Hor.

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D. H.	D. H.			
28·13	28· 9	4/8	G.	D. F. clds scattered, in large masses, throughout.
·14	·10	2/8	G.	Overcast with L. F. clds. all round the Hor.
·15	·11		G.	White mist in the S. and SE.; and L. F. clds. in the NW and W.
·16	·12		G.	White mist extending from S. to N. (by E.)
·17	·13	1/8	A.	Overcast in the W and N Hor: dew deposited lightly on the plantain tree.
·18	·14	4/8	A.	D. F. clds. in the Hor.: a F. cld. overhead moving S. Eastward.
·19	·15	3/8	A.	F. clds. in the Hor.
·20	·16	2/8	A.	F. clds. in the Hor., except the S.
·21	·17	1/8	D.	⌒ in NW., N., NE., E. and SE. Hor.; ╲i in NW., N. and NE; ∨╲_ in NW: haze throughout.
·22	·18	2/8	D.	⌒ in NW., N., NE., E. and SE. Hor.; ╲i in NW. and SW; F. clds. in the N.: haze throughout.
·23	·19	2/8	D.	⌒ in NW., N., NE., E and SE. Hor.; ╲i in NW., E and SE; F. ⌒ moving from NW. to SE.; ╲_ and ∨╲_ in NW. Hor.: haze throughout.
Mar. 1· 0	·20	1/8	D.	⌒ in NW and N. Hor.; ╲_ in NW. and NE: haze throughout.
· 1	·21	1/8	G.	⌒ in the NW. and N. by W. Hor.; ╲_ in the W and E Hor: mist in the E. Hor.; and haze throughout.
· 2	·22	1/8	G.	⌒i in the NW.; ╲_ and ╲i in the NW. and W. Hor.: mist in the E. Hor.; and haze throughout.
· 3	·23		G.	

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky	Observer.	State of the Weather.
D. H.	D. H.			
2· 4	2· 0		G.	⌒i extending from NW. to W. (by S.) and a few ╲i in the W.
· 5	· 1		G.	A few ╲i in the W; and haze all round the Hor.
· 6	· 2	2/8	G.	╲_ in the W. and E.; and light fog all round the Hor.
· 7	· 3		G.	Overcast in the Hor.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	L. F. clds. over the Moon in the W. Hor.
·11	· 7		A.	Overcast in the W. Hor.
·12	· 8		A.	Overcast in the Western Hor; F. ⌒i in the S. Hor.
·13	· 9		D.	F clds in the SW., S., NE. and NW.: ╲_ in the NW. and W. Hor.
·14	·10		D.	F. clds in the E., W., N. and S.
·15	·11		D.	F. clds. in the NE., and SE.
·16	·12		D.	Clear.
·17	·13		G.	White mist prevailing from NE. to S. by (E.), otherwise clear; dew falling from the roof of the Observatory.
·18	·14	7/8	G.	╲_ and ╲i scattered; and — all round the Hor.: dew falling from the roof.
·19	·15	8/8	G.	╲_, ╲; and L. F. clds. scattered throughout; and thick fog in the Hor.
·20	·16	6/8	G.	╲i scattered: thick fog from N. to SW: mist in the E. Hor.
·21	·17	3/8	A.	╲i scattered in the Hor.
·22	·18	6/8	A.	╲i around the Hor: haze in the Zth.
·23	·19	3/8	A.	╲i scattered in the Hor.
3· 0	·20	1/8	A.	F clds. scattered in the NE., E. and S Hor: the rest of the Hor. clear.
· 1	·21		D.	╲_ in the NE. and SE. Hor.: haze throughout.
· 2	·22		D.	╲_ in SE.: haze throughout.
· 3	·23		D.	╲ and ╲_ from N. to S. (by W.) and in SE. and Zth: haze throughout.
· 4	3· 0	6/8	D.	╲i and ╲_i scattered throughout.
· 5	· 1	8/8	G.	╲i and ╲_i scattered throughout.
· 6	· 2	8/8	G.	╲i and ╲_i; and L. F ⌒ scattered.
· 7	· 3	7/8	G.	╲_ in the Western Hor; and faint ╲i throughout: small halo round the Moon.
· 8	· 4	4/8	G.	╲i scattered; and thin mist around the Zth.
3· 9	3· 5	2/8	A.	╲i in the W., NW. and SW.
·10	· 6	4/8	A.	╲i scattered around the Hor.
·11	· 7	2/8	A.	╲i scattered in the W. and in the Zth.
·12	· 8		A.	Overcast in the W. Hor.
·13	· 9		D.	Foggy in NW., NE., E. and SE. Hor.
·14	·10		D.	Foggy in NW., NE., E. and SE. Hor.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13	1/8	G.	╲_ in the E. Hor: white mist prevailing from S. to NE.
·18	·14	6/8	G.	⌒i and ╲_ extending from E. (by S.) to SW.:—along the W. Hor.; and ∨⌒i scattered.
·19	·15	7/8	G.	— below, and ⌒i above, all round, the Hor.; ∨⌒i and faint ╲i scattered throughout.
·20	·16	7/8	G.	— below, and ⌒i above in W. Hor.; and ∨⌒ and ∨⌒i scattered: mist in the E. Hor.
·21	·17	6/8	A.	F. clds scattered in the Hor.: ∨⌒i scattered in the Zth. moving NE.
·22	·18	2/8	A.	F clds. scattered in the E., and S.; L. F. clds. in the Zth. moving rapidly Southward; mist in the E. Hor.
·23	·19	5/8	A.	F. clds scattered in the Hor.: Comoid and haze in the Zth.
4· 0	·20	5/8	A.	F. clds scattered in the E. Hor.: ∨⌒i in the Zth. moving Eastward.
· 1	·21	8/8	D.	∨⌒ in the N., NW., W., NE., E. and Zth.
· 2	·22	1/8	D.	∨⌒ in the NW., NE., E., SE., S. and SW.
· 3	·23		D.	Clear.
. 4	4· 0		D.	Clear.
· 5	· 1		G.	Clear.
· 6	· 2		G.	— all around the Hor; ╲_ in the W. a little above the Hor.
· 7	· 3		G.	— and ╲_ in the W. Hor.: thin mist throughout.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8	1/8	A.	Overcast in the S. Hor.; ╲_ in the W. Hor. through which the ☽ is faintly visible.
·13	· 9	4/8	D.	F. clds. throughout.
·14	·10	4/8	D.	F. clds. throughout.
·15	·11	4/8	D.	F. clds. throughout.
·16	·12	6/8	D.	F. clds. thoughout.
·17	·13	1/8	G.	F. clds.; dew deposited copiously.
·18	·14	7/8	G.	⌒i in the E. Hor; — extending from SW., to S. (by W.); and F. ⌒i scattered: dew falling.
.19	·15	7/8	G.	F. ⌒i scattered: mist all round the Hor.
·20	·16	6/8	G.	╲, ⌒ and D. F. ⌒i scattered: mist all round the Hor.
·21	·17	7/8	A.	╲i scattered in the Zth, moving S. Eastward; F. ⌒i and ╲i the W.: ╲i in the Hor.
·22	·18	6/8	A.	╲i scattered moving S. Eastward.; F. clds. extending from the N. Hor. to the S. Hor. (by E.): mist in the W. Hor.
·23	·19	4/8	A.	╲i scattered in the Zth.: F. clds. in the W., E. and S. Hor.
5· 0	·20	3/8	A.	F. clds. scattered in the Hor.: very rare ╲i in the Zth.
· 1	·21	2/8	D.	╲_ in NE; ╲ in NW., N. and NE. ∨⌒ in NW., W. and SW.; and ⌒ in the SE. Hor.
· 2	·22	1/8	D.	╲i in NE., SE., S. and NW.; ∨⌒ in NE. and SE., and ⌒ in SE. Hor.
· 3	·23		D.	╲i in the NW. and SE.
· 4	5· 0		D.	╲i in NW., W., SE. and E.
· 5	· 1	8/8	G.	╲i scattered: — all round the Hor.
· 6	· 2	5/8	G.	╲i scattered: — all round the Hor.; and ∨⌒ in the NE.
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
5· 9	5· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Overcast in the SE. and S. Hor.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear
·17	·13		G.	Overcast in the Hor.
·18	·14	2/8	G.	— all round the Hor.
·19	·15		G.	— in the W. Hor.; thin \ and a few \⌒i in the E.
·20	·16		G.	\⌒i and faint \i in the E. and SE.; and foggy mist all round the Hor.
·21	·17	6/8	A.	F. clds. scattered in the E., NE. and S. Hor : \i scattered in the Zth.
·22	·18	5/8	A.	F. clds. scattered in the Hor. (except in the W.); \i almost haze in the Zth.; \⌒i E. of Zth.
·23	·19		A.	Clear.
6· 0	·20		A.	Clear.
· 1	·21		D.	Clear.
· 2	·22		D.	Clear.
· 3	·23		D.	Clear.
· 4	6· 0		D.	Clear.
· 5	· 1		G.	⌒ in the W.; and mist in the E. Hor.
· 6	· 2	1/8	G.	A few ⌒i in the NW. Hor : — in the remaining part of the Hor.
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	Clear.
·18	·14		G.	Light fog all round the Hor : slight dew deposited on the tender leaves of plantain tree.
·19	·15		G.	Light fog all round the Hor.
·20	·16		G.	Foggy mist all round the Hor.
·21	·17		A.	D. mist in the E. and S. Hor.
·22	·18		A.	Mist in the E. and S. Hor.
·23	·19	1/8	A.	Fog extending from the SW. to the N. Hor. (by W.): haze in the E. and S. Hor.
7· 0	·20		A.	Clear.
· 1	·21		D.	Clear, except mist in E. and SE. Hor.
· 2	·22		D.	Clear : mist in E. and SE. Hor.
· 3	·23		D.	Clear : mist in E. and SE. Hor.
8· 4	8· 0	6/8	G.	\i and L. F. clds. scattered : scud moving from N. to SE.
· 5	· 1	6/8	G.	\i and F. ⌒i scattered : scud moving from N. to SE.: clear spaces in the S. and SE.
· 6	· 2	2/8	G.	L. F. clds. in the W., N. and NE.; and foggy mist all round the Hor.
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear.
· 9	· 5		G.	Clear.
·10	· 6		A.	Overcast in the W. Hor.
·11	· 7		A.	L. F. clds. scattered in the W. Hor.
·12	· 8	1/8	A.	F. clds. in the W. and NW. Hor.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	— in the NW, and W. Hor.
·16	·12		D.	— and F. clds. in the NW. and W. Hor.
D. H.	D. H.			
8·17	8·13		D.	— and F. clds. in the NW. and W. Hor.
·18	·14	3/8	G.	L. F. clds extending from NE to S.: — in the W., NW. and N Hor.
·19	·15		G.	Foggy mist all round the Hor.
·20	·16		G.	Foggy mist all round the Hor.
·21	·17	3/8	A.	Fog extending from the N. to the SW. Hor. (by W.): white mist extending from the N. to S. Hor. (by E.).
·22	·18	5/8	A.	Fog extending from the N. to the SW. (by W.), height about 35° : the rest of the Hor. hazy.
·23	·19	4/8	A.	— in the W.; lines of L. F. clds. stretching from the SW. to the E. Hor. (by S.): haze in the remaining Hor.
9· 0	·20	3/8	A.	— in the W. and NW.: haze in the Hor.
· 1	·21		D.	L. F. clds. in NW. Hor.: mist in Hor.
· 2	·22		D.	Mist in the Hor.
· 3	·23		D.	Mist in the Hor.
· 4	9· 0		D.	Mist in E. and SE. Hor.
· 5	· 1		G.	Mist in the E. and NE. Hor.
· 6	· 2		G.	Light mist all round the Hor,
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear.
· 9	. 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	Clear.
·18	·14		G.	Slight fog all round the Hor.
·19	·15		G.	Foggy mist all round the Hor.
·20	·16		G.	Foggy mist all round the Hor.
·21	·17	2/8	A.	Mist in the Hor.: dense in the W. and NW. Hor.
·22	·18	8/8	A.	Fog extending from the N. to the SW. Hor. (by W.): white mist extending from the NE. to the SE. Hor. (by E.).
·23	·19	2/8	A.	Mist in the Hor.
10· 0	·20		A.	Haze in the Hor.
· 1	·21		D.	Mist in E. and SE. Hor.
· 2	·22		D.	Mist in E. and SE. Hor.
· 3	·23		D.	Mist in E. and SE. Hor.
· 4	10· 0	1/8	D.	_ in SW. and W.; \⌒ in the N.: mist in E. and SE. Hor.
· 5	· 1	1/8	G.	F. ⌒i extending from S. (by W.) to N.
· 6	· 2	2/8	G.	_ in the NE.; F. ⌒i scattered; and foggy mist in the E. and SE. Hor.
· 7	· 3		G.	\⌒i in the NW.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9	1/8	G.	F ⌒i moving, very rapidly, in scattered masses from NW. to S.
·14	·10		G.	_ and L. F. clds. in the SE.
·15	·11		G.	Clear.
·16	·12		G.	Clear.
·17	·13		G.	Clear.
·18	·14		G.	Light fog all round the Hor.: dew deposited on plants : _ in the E. Hor.
·19	·15		G.	L. F. clds., and _ in the NW.; and foggy mist all round the Hor.
·20	·16		D.	_ in the NW.: fog in NW. and W. Hor.; and mist in the remaining Hor.
·21	·17		D.	_ in N. and NE.: mist in the Hor.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
10·22	10·18		D.	╲_ in NW.: mist in the Hor.
·23	·19		D.	╲_ in NW : mist in the Hor.
11· 0	·20		D.	F. clds. in NW. and N.: mist in the Hor.
· 1	·21		D.	╲_ in the NW.: mist in the Hor.
· 2	·22		G.	╲_ in the W.; and light F. ⌒i in the NW.: mist all round the Hor.
· 3	·23		G.	╲_ in the W.; and light F. ⌒i in the NW.
· 4	11· 0		G.	L. F. clds. in the W. and NW. Hor
· 5	· 1	3/8	G.	L. F. ⌒i ; and ∿i scattered: thick mist in the E. and SE. Hor.
· 6	· 2	5/8	G.	╲_ extending from NE. to W. Hor.; ∿ and F. ⌒i scattered : thick mist in the E. and SE. Hor.
· 7	· 3	4/8	D.	╲_ in NE ; — in NW.; and ∿ scattered throughout.
· 8	· 4	4/8	D.	∿ scattered throughout
· 9	· 5	3/8	D.	∿ scattered throughout.
·10	· 6	5/8	D.	∿ scattered throughout,
·11	· 7	1/8	D.	∿ in SW. and SE.
·12	· 8		D.	Clear.
·13	· 9		G.	L. F. ⌒i moving from NW. to SW.
·14	·10	4/8	G.	Huge masses of D. F. ⌒i moving from NW. to S.
·15	·11		G.	Few F. ⌒i in the NW.
·16	·12		G.	Clear.
·17	·13		G.	Thick haze in the W. and E. Hor: dew depositing on plants, &c.
·18	·14		G.	Thick foggy mist in the E. and W Hor : thin mist throughout.
·19	·15		A.	Thick foggy mist in the E. and W. Hor.: thin mist throughout.
·20	·16		A.	Thick foggy mist in the E. and W. Hor ; thin mist throughout.
·21	·17	3/8	A.	F. clds. extending from the N. to W.; mist in the Hor.
·22	·18	7/8	A.	F. clds.; and \i scattered throughout moving Eastward.
·23	·19	7/8	A.	F. clds.; and ╲_, \i scattered throughout moving Eastward.
12· 0	·20	6/8	A.	F. clds ╲_; and \i scattered moving Eastward.
· 1	·21	6/8	D.	\i and ∿ scattered throughout.
· 2	·22	6/8	D.	\i and ╲_ scattered throughout : ∿, in the SE.
· 3	·23	4/8	D.	\i in E., W., N. and Zth.: S. clear :— from SW. to NE. (by W.).
· 4	12· 0	6/8	D.	\i, ╲_ and ∿i scattered throughout : — from SW. to NE Hor. (by W.).
· 5	· 1	8/8	G.	\i, ╲_ and ∿i; and F. ⌒ scattered : — from W. to NE. Hor.
· 6	· 2	6/8	G.	\i, ╲_ and ∿i; and F. ⌒ scattered ; — from W. to NE. Hor.
· 7	· 3	4/8	G.	\i, ╲_ and ∿i , and F. ⌒ scattered: and ; — in the W., N. and SE. Hor.
· 8	· 4	3/8	G.	\i and L. F. ⌒i scattered : Zth. clear : — in the W. and E. Hor.
· 9	· 5	3/8	ID.	\i and \ haze scattered all round the Hor.
·10	· 6	2/8	ID.	\ haze all round the Hor.
·11	· 7	3/8	ID.	\ haze all round the Hor.
·12	· 8	3/8	ID.	Thick \ haze all round the Hor.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12	1/8	D.	F ⌒ in the NW , W. and SW. Hor
·17	·13		G.	L. F ⌒ along the Western Hor ; and \ haze throughout : dew deposited copiously.
.18	·14		G.	Thick haze all round the Hor : dew deposited copiously.
·19	·15		G.	Thick haze all round the Hor.
·20	·16		G.	Foggy mist all round the Hor.
·21	·17		A.	Haze in the Hor.
·22	·18		A.	Clear.
·23	·19		A.	Clear.
13· 0	·20		A.	Clear
· 1	.21		D.	Mist in the E and SE Hor
· 2	·22		D.	Mist in the E. and SE. Hor.
· 3	·23		D.	Mist in the E. and SE. Hor.
13· 4	13· 0		D.	Mist in the E., and SE. Hor.
· 5	· 1		D.	Mist in the E., and SE. Hor.
· 6	· 2		G.	Mist all round the Hor.
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear.
· 8	· 5		G.	Clear.
·10	· 6		ID.	Clear.
·11	· 7		ID.	Light haze all round the Hor.
·12	· 8	4/8	ID.	F. ⌒i in the S., SE. and E.
·13	· 9		D.	⌒ in the SE. Hor.
·14	·10	1/8	D.	F. clds. in the NW , W. and S.: at 14h. 26m. large masses of F. ⌒i were seen moving from NW. to SE.
·15	·11	4/8	D.	F. clds throughout, some moving from NW. to SE.; and — in the NE. and SE. Hor.
·16	·12	6/8	D.	D. F. clds. moving from NW. to SE.
·17	·13	6/8	G.	D. F. ⌒ moving in large masses from NW. to SE : ⌒ in the E. Hor.
·18	·14	6/8	G.	— in the Hor : large masses of D. F. clds. moving from NW. to SE.
.19	·15	6/8	G.	D. F. clds. scattered.
·20	·16	5/8	G.	D. ⌒i in the Hor.; and large masses of F. ⌒ moving from NW to SE.
21	·17	5/8	A.	D. F. clds. in masses moving S. from the N. and W.: F. ⌒i in the Hor.: Zth clear.
·22	·18	6/8	A.	Masses of D. F clds. from the N. and W. moving S.: light haze above ; and F. ⌒i in the Hor.
·23	·19	6/8	A.	Masses of D. F. clds. from the N. and W. moving S.: light haze above ; and F. ⌒i in the Hor.
14· 0	·20	3/8	A.	Masses of L. F. clds. all round the Hor : Zth. clear.
· 1	·21	2/8	D.	⌒ in W., NW., NE., E. and SE. Hor.: ∿_ in the NW. Hor.
· 2	.22		D.	⌒ in the E. and SE. Hor.
· 3	·23		D.	Clear.
15· 4	15· 0		G.	Thick mist in the E., SE. and NE. Hor.; and thin mist throughout.
· 5	· 1		G.	Thick mist all round the Hor ; and haze in the Zth.
· 6	· 2		G.	Thick mist throughout
· 7	· 3	1/8	G.	— along the W., NW. and SW. Hor ; and thin mist throughout.
· 8	. 4	2/8	G.	— in the Hor.
· 9	· 5	4/8	A.	D. mist in the Hor : the Moon shining dimly through the mist.
·10	· 6	4/8	A.	D. mist in the Hor.: the Moon shining dimly through the mist.
·11	· 7	5/8	A.	D. mist around the Hor.: the Moon shining dimly through the mist.
·12	· 8	5/8	A.	D. mist around the Hor. and in the Zth.
·13	· 9		D.	Clear : haze throughout.
·14	·10		D.	Clear : haze throughout.
·15	·11		D.	Clear : haze throughout.
·16	·12		D.	Clear . haze throughout.
·17	·13		G.	Mist throughout
·18	·14		G.	Thick foggy mist all round the Hor.; and haze throughout
·19	·15		G.	Thick foggy mist all round the Hor., and haze throughout.
·20	·16		G.	Thick foggy mist all round the Hor.; and haze throughout.
·21	·17		A.	Mist throughout.
·22	·18		A.	Mist throughout.
·23	·19		A.	Mist in the Hor.; and haze in the Zth.
· 0	·20		A.	Mist in the Hor ; and haze in the Zth.
· 1	·21		A.	Mist in the Hor ; and haze in the Zth.
· 2	·22		ID.	Mist in the Hor ; and haze in the Zth.
· 3	·23		ID.	Thick mist all round the Hor., and \ haze in the Zth.

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D. H.	D. H.			
16· 4	16· 0		G.	Thick mist all round the Hor.; and haze in the Zth.
· 5	· 1		G.	Thick mist all round the Hor; and haze throughout.
· 6	· 2		G.	Thick mist all round the Hor.
· 7	· 3		G.	Mist all round the Hor.; and haze in the Zth.
· 8	· 4		A.	Mist all round the Hor.; and haze in the Zth
· 9	· 5		A.	Haze in the Hor.
·10	· 6		A.	Haze in the E. Hor
·11	· 7		A.	Clear: the force of the wind has much increased.
.12	· 8		A.	Clear.
·13	· 9		D.	Haze throughout.
·14	·10		D.	Haze throughout.
·15	·11		D.	Haze throughout.
·16	·12		D.	Haze throughout.
·17	·13		G.	Mist all round the Hor.: haze throughout.
·18	·14		G.	D. foggy mist all round the hor.: ╲_ in the E, S., W. and NW., a little above the Hor.
·19	·15		G.	Thin ╲i in the NW.; L. F. clds. in the NE.; and thick foggy mist in the Hor.
·20	·16		G.	L. F. clds. extending from NE. to S; and foggy mist in the Hor.
·21	·17		A.	╲i. scattered in the E. Hor.; mist in the remaining Hor: haze in the Zth.
·22	·18	1/8	A.	╲_ and ╲i in the E. and S. Hor.; mist in the remaining Hor., and in the Zth.
·23	·19		A.	Haze in the Hor.
17· 0	·20		A.	Haze in the Hor.
· 1	·21		D.	Mist in the Hor.
· 2	·22		D.	Mist in the Hor.
· 3	·23		D.	Mist in the Hor.
· 4	17· 0		D.	Mist in the Hor.
· 5	· 1		G.	Mist all round the Hor.
· 6	· 2		G.	Thick haze all round the Hor.
· 7	· 3		G.	Slight foggy mist along the W. Hor.
· 8	· 4		G.	Almost clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Mist in the Hor
·14	·10		D.	Mist in the Hor.
·15	·11		D.	F. clds. in the Zth. and SE. moving from NW. to SE.: mist in the Hor.
·16	·12		D.	F. clds. in NW. and W.: mist in the Hor.
·17	·13		G.	L. F. ⌒ in the SW. and E, Hor.; and thin mist in the remaining part of the Hor.
·18	·14		G.	L. F. ⌒╲i all round the Hor.· dense foggy mist in the Hor.
·19	·15	3/8	G.	L. F. ⌒╲i in the SW., W., NW. and NE.: mist in the E. Hor.
·20	·16		G.	⌒ in the W. Hor.: L. F. ⌒╲i in the S. and SW.; and thick mist in the E. Hor.
·21	·17	4/8	ID.	Thick haze and large masses of F. ⌒╲i from N. to S. (by E.): L. F. ⌒. scattered throughout.
·22	·18	4/8	ID.	Thick haze and large masses of F. ⌒╲i from N. to S. (by E.): L. F. ⌒╲i scattered throughout.
·23	·19	3/8	ID.	Light mist all round the Hor.
18· 0	·20	3/8	ID.	Gauze like mist, scattered throughout.
· 1	·21		D.	Haze throughout.
· 2	·22		D.	Haze throughout.
· 3	·23		D.	Haze throughout.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
18· 4	18· 0		D.	╲_ in the SE.: haze throughout.
· 5	· 1		G.	L. F. ⌒ in the SE.; and mist all round the Hor.: haze in the Zth.
· 6	· 2		G.	Mist all round the Hor.
· 7	· 3		G.	Mist along the W. Hor.
· 8	· 4		G.	— in the W., NW., and SE. Hor.
· 9	· 5		ID.	Clear
·10	· 6		ID.	Clear.
·11	· 7	1/8	ID.	— in the E. and SE.
·12	· 8	1/8	ID.	Large banks of F. clds. in the E. and SE.
·13	· 9	1/8	D.	— in NW., W., SW., S.: and SE.
·14	·10		D.	F. clds. scattered throughout.
·15	·11	5/8	D.	Overcast.
·16	·12	7/8	D.	Overcast.
·17	·13	7/8	A.	Overcast.
·18	·14	8/8	A.	Overcast.
·19	·15	8/8	A.	Overcast.
·20	·16	8/8	A.	D. F. ⌒╲i scattered throughout.
.21	·17	7/8	ID.	D. masses of F. ⌒╲i scattered throughout.
·22	·18	6/8	ID.	F. ⌒╲i scattered throughout.
·23	·19	4/8	ID.	╲_ and ⌒╲i scattered all round the Hor.: light mist throughout.
19· 0	·20	2/8	ID.	╲_ from S. to N. (by W.); ⌒╲i and ╲ haze from N. to S. (by E.): gauze like mist throughout.
· 1	·21		D.	— in the NW. and W. Hor.: haze throughout.
· 2	.22		D.	— in the NW. and W. Hor.: haze throughout.
· 3	·23		D.	— in the NW. and W. Hor.: haze throughout.
· 4	19. 0		D.	╲_ in the NW. Hor. haze throughout.
· 5	· 1	8/8	G.	⌒╲i along the W. Hor.; and slight haze in the E. Hor.
· 6	· 2	2/8	G.	∿╲_ in the W.; and L. F. ⌒ scattered.
· 7	· 3	3/8	G.	F. clds. scattered along the Hor.; and haze in the Zth.
· 8	· 4		G.	L. F. ⌒ scattered all round the Hor.; and haze in the Zth.
· 9	· 5	2/8	ID.	L. F. clds. scattered throughout: Zth. clear.
·10	· 6	4/8	ID.	Large masses of F. ⌒╲i scattered throughout: Zth. clear.
·11	· 7	3/8	ID.	Large masses of D. clds. scattered throughout.
·12	· 8	7/8	ID.	Large masses of D. clds. scattered throughout.
·13	· 9	6/8	D.	D. F. clds. scattered throughout.
·14	·10	5/8	D.	D. F. clds. moving from N. to S.
·15	·11	6/8	D.	D. F. clds. moving from N. to S.
·16	·12	3/8	D.	F. clds. in the E., W., N., and S.: Zth. clear.
·17	·13	3/8	G.	D. F. ⌒╲i extending from S. to W. (by N.) Hor.: clear in the SW. Hor; and ╲i in Zth.
·18	·14	2/8	G.	D. F. ⌒╲i all round the Hor.
·19	·15	4/8	G.	⌒╲i in the W. and E. Hor.; D. F. ⌒ scattered: a few ╲i in the Zth.
·20	·16	7/8	G.	⌒╲i in the E. and W. Hor.; and D. F. ⌒╲i scattered.
·21	·17	4/8	ID.	Large masses of F. ⌒╲i scattered round the Hor.
·22	·18	5/8	ID.	D. F. ⌒╲i scattered throughout.
·23	·19	3/8	ID.	F. ⌒╲i scattered throughout.
20· 0	·20	8/8	ID.	F. ⌒╲i scattered all round the Hor.
· 1	·21	1/8	D.	F. ⌒╲i in the NE., N, NW., W. and SW. Hor.: haze throughout.
· 2	.22	1/8	D.	F. ⌒╲i in the NE., N, NW., W. and SW. Hor.: haze throughout.
· 3	·23	1/8	D.	F. ⌒╲i in the NW, W., SW. and SE. Hor.: haze throughout.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
20· 4	20· 0	1/8	D.	F. ⌒ in the NW., W., and SW. Hor.; ╲╱╲_ in SE. Hor: haze throughout.
· 5	· 1	1/8	G.	F. ⌒ in the NW., W., and SW. Hor; and haze throughout.
· 6	· 2		G.	L, F. ⌒; and ╲_ in the SW. and W. Hor.
· 7	· 3		G.	Clear.
· 3	· 4		G.	Clear.
· 9	· 5		K.	Clear.
·10	· 6		K.	Clear.
·11	· 7		K.	Clear.
·12	· 8		K.	L. clds. in the E. Hor.
·13	· 9	3/8	D.	D. F. clds. in the Hor.
·14	·10	3/8	D.	F. clds. from NW., to SE. (by W).
·15	·11	1/8	D.	F. clds. from NW., to SE. (by W).
·16	·12	1/8	D.	F clds from N. to SE (by W).
·17	·13	4/8	G.	F. ⌒╲i scattered in large masses: dew on the leaves on the plantain tree.
·18	·14		G.	╲╱╲_ all round: ╲_ a little above the Hor. in the E.: dew deposited.
·19	·15	6/8	G.	D. F. ⌒ moving, in scattered masses, from NW. and SE.
·20	·16	5/8	G.	D. F. ⌒ all round the Hor: scud moving from N. (by W.) to SE.: haze in the Zth.
·21	·17	6/8	ID.	D. F. ⌒ all round the Hor.: scud moving from N. (by W.) to SE: haze in Zth.
·22	·18	5/8	ID.	⌒╲i all round the Hor.; and L. F. clds. scattered throughout the Zth.
·23	·19	4/8	ID.	⌒╲i all round the Hor.; and L. F. clds. scattered throughout the Zth.
21· 0	·20	3/8	ID.	⌒╲i all round the Hor.
· 1	·21	1/8	D.	⌒╲i in NW., W. and SW, Hor; ╲╱╲_ in the NW.; ╲_ in the NW.; and ╲i in the SE.
· 2	·22		D.	╲_ and ⌒╲i in NW. Hor.
· 3	.23		D.	⌒ along the W. Hor.
22· 4	22· 0	3/8	ID.	╲i haze all round the Hor; and gauze like mist throughout.
· 5	· 1	2/8	ID.	╲i haze all round the Hor.
· 6	· 2	3/8	ID.	╲i haze all round the Hor.
· 7	· 3		G.	— in the W. Hor.; and slight haze in the E. Hor.
· 8	· 4		G.	Clear.
· 9	· 5		G.	Clear.
·10	· 6		G.	Clear.
·11	· 7		D.	Clear.
·12	· 8		D.	Clear.
·13	· 9		D	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear
·16	12		D.	Clear.
·17	·13		G.	Clear.
·18	·14		G.	Light fog all round the Hor.
·19	·15		G.	Light fog all round the Hor.
·20	·16		G.	╲i haze all round the Hor.
·21	·17		ID.	╲i haze all round the Hor., and gauze like mist throughout.
·22	·18		ID.	╲i haze all round the Hor; and light fog from SW to NW.
·23	·19		ID.	╲i haze all round the Hor; and light fog from SW. to NW.
23· 0	·20		ID.	╲i haze all round the Hor. Zth clear.
· 1	·21		D.	Mist in the Hor.: haze throughout.
· 2	·22		D.	Mist in the Hor.: haze throughout.
· 3	·23		D.	Mist in the Hor.: haze throughout.
· 4	23· 0		D.	Mist in the Hor: haze throughout.
· 5	· 1		G.	Mist in the Hor. haze throughout: ╲i in the SE.
· 6	· 2		G.	Mist in the Hor: haze throughout, and light ╲i in the NW. and E
. 7	· 3		G.	Thick fog in the E and SE. Hor.
23· 8	23· 4		G.	Haze all round the Hor.
· 9	· 5		K.	Clear.
·10	· 6		K.	Clear.
·11	· 7		K.	Clear.
·12	· 8		K.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear
·17	·13		G	Light fog all round the Hor.
·18	·14		G.	╲_ and ╲i in the W., N., NE. and SE.: thick fog all round the Hor.
.19	·15		G.	Thick mist in the Hor: a few ╲i in the N. and NE.; and haze throughout.
·20	·16		G.	Thick ╲ mist in the Hor.; and haze throughout.
·21	·17	4/8	ID.	╲ haze in the Hor from N. to S. (by E.): light fog from S. to N. (by W) altd. 15°.
·22	.18	4/8	ID.	╲ haze in the Hor. from N. to S. (by E.): light fog from S. to N. (by W.) altd. 15°.
·23	·19	5/8	ID.	╲ haze in the Hor. from N. to S. (by E.): light fog from S. to N. (by W.) alut. 15°.
24· 0	·20	5/8	ID.	╲ haze from N. to S. (by E.) light fog from S to N. (by W.); and gauze like mist throughout.
· 1	·21	1/8	D.	L. F. clds. moving rapidly from SW. to NE.: haze throughout; mist in the Hor.; and dark F. clds. in the NW.
· 2	·22	2/8	D.	D. F. clds moving rapidly from SW. to NE.: haze throughout and mist in the Hor: dark F. clds. in NW.
· 3	·23	3/8	D.	L. F. clds. moving from SW. to NE: haze throughout: mist in the Hor.
. 4	24· 0	2/8	D.	F. clds. moving from SW to NE: mist in the Hor.: haze throughout.
· 5	· 1	2/8	G.	L. F. ⌒╲i moving from SW. to NE.: mist in the Hor.: haze throughout.
· 6	· 2	5/8	G.	L. F. clds. moving, in scattered masses, from SW. to NE. and N.
· 7	· 3	6/8	G.	D. F. ⌒╲i and ╲╱╲_ moving in large masses, from S., SW. to N., and light ╲i in the Zth.
· 8	· 4		G.	Clear.
· 9.	· 5		K.	Clear.
·10	· 6		K.	Clear.
·11	· 7		K.	Clear.
·12	· 8		K.	Clear.
·13	· 9		D.	Clear: dew dropping from the roof of the Observatory.
·14	·10		D.	Clear: dew dropping from the roof of the Observatory,
·15	·11		D.	Clear: dew dropping from the roof of the Observatory.
·16	·12	4/8	D.	╲╱╲_ in E., W., N. and S.: Zth clear; dew dropping from the roof of the Observatory
·17	·13	7/8	G.	Overcast with ╲╱╲_.
·18	·14	4/8	G.	╲╱╲_ in the E and SE Hor, and L. F. ⌒╲i moving from SW. to NE
·19	·15	1/8	G.	⌒╲i in the N.; F. ⌒╲i in the NW.; and mist all round the Hor.
·20	·16		G.	╲╱╲_ in the W. Hor, and ╲i mist all round the Hor.
·21	·17	3/8	ID.	╲ haze from N to S. (by E.), and light fog from S. to N. (by W. altitude 14°.
·22	·18	4/8	ID.	╲ haze from N. to S. (by E.); and light fog from S. to N. (by W.) altitude 11°.
·23	·19	3/8	ID.	╲ haze from N. to S. (by E.); and light fog from S to N. (by W.) altitude 10°.
25· 0	·20	5/8	ID.	╲ haze from N. to S. (by E.); and light fog from S. to N. (by W.) altitude 15°.
· 1	·21		D.	╲ haze throughout, thick in the Hor.
· 2	·22		D.	╲ haze throughout, thick in the Hor.
· 3	·23	2/8	D.	╲ haze throughout, thick in the Hor.: F. clds moving from SW. to NE

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Bombay. Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
25· 4	25· 0	5/8	D.	F. clds. moving from SW. to NE: ∖ haze throughout, thick in the Hor.
· 5	· 1	6/8	G.	Huge masses of D. F. ⌒∖i moving from SSW. to NE
· 6	· 2	5/8	G.	L. ∖i in the Zth ; and D. F. ⌒∖i moving, in large scattered masses, from SW. to NE.
· 7	· 3	5/8	G.	D. F. ⌒∖i extending from S. (by W.) to NW.; and L. F. ⌒ scattered.
· 8	· 4	3/8	G.	L. F. clds. all round the Hor.
· 9	· 5		K.	L. ∖i in the NW. Hor.
·10	· 6		K.	L. ∖i in the NW. Hor
·11	· 7		K.	L. ∖i in the NW. Hor.
·12	· 8		K.	L. clds. in the Hor. (all round).
·13	· 9		D.	L. F. clds. in the NW. Hor.
·14	·10	8/8	D.	F. clds. in the E., W., N. and S.: dew falling.
15	·11	4/8	D.	F. clds. in the E., W., N. and S. dew falling.
·16	·12	8/8	D.	F. clds. in the E., W., N. and S.: Zth. clear: dew falling.
·17	·13	4/8	G.	L. F. clds. scattered.
·18	·14	8/8	G.	Overcast with ∨⌊.
·19	·15	1/8	G.	D. F. clds. extending from S. (by E.) to N.; and haze throughout.
·20	·16	1/8	G.	L. F. ⌒ in the E., N. and NW.: mist all round the Hor.: haze throughout.
·21	·17		G.	F. ⌒∖i in the W. Hor.; and ∖ mist throughout.
·22	·18	6/8	G.	F. ⌒∖i scattered in the NE., N. and NW.; and gauze like mist throughout.
·23	.19	5/8	ID.	F. ⌒∖i scattered all round the Hor.: ∖ haze throughout.
26· 0	·20	7/8	ID.	F. ⌒∖i all round the Hor.: ∖ haze throughout.
· 1	·21	7/8	ID.	F. ⌒∖i from S. to N. (by W.); and ∖ haze throughout.
· 2	·22	3/8	D.	⌒ in the SE. and SW. Hor.; F. clds. moving from SW. to NE.: haze throughout.
· 3	·23	3/8	D.	F. clds. moving from SW. to NE.: haze throughout: ⌒ in the SE. and SW. Hor.
· 4	26· 0	3/8	D.	⌒ from NE. to SW. Hor.; and F. clds. moving from SW. to NE.: haze throughout.
· 5	· 1	2/8	D.	⌒ in NE., E. and SE. Hor.; F. clds. moving from SW. to NE.: haze throughout.
· 6	· 2	4/8	G.	F. ⌒∖i moving in scattered masses, from SW. to NE.; and ∖ haze throughout.
· 7	· 3	6/8	G.	F. ⌒∖i scattered.
· 8	· 4	3/8	G.	L. F. all round the Hor
· 9	· 5	1/8	G.	L. F. all round the Hor.
·10	· 6	1/8	K.	L. F. all round the Hor
·11	· 7	3/8	K.	L. F. clds. in the Hor., and Zth.
·12	· 8	8/8	K.	L. F. clds. in the Hor., and Zth
·13	· 9	3/8	D.	F. clds. in the E., W., N. and S.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12	1/8	D.	F. clds. in the NE., E. and SE.
·17	·13	3/8	G.	Thick fog all round the Hor.: F. ⌒∖i scattered.
·18	·14	6/8	G.	Thick fog all round the Hor.; F. ⌒∖i and ∨∖i scattered: haze throughout.
·19	·15	7/8	G.	Thick mist in the Hor.; F. ⌒ in the N., W. and S.: haze throughout.
·20	·16	7/8	G.	⌒∖i all round the Hor.; F. ⌒ in the N. and NE.: haze throughout.
·21	·17	7/8	ID.	Large masses of F. ⌒∖i moving from S and E. to N.; light fog in the W. and NW.: ∖ haze throughout.
·22	·18	5/8	ID.	⌒∖i scattered all round the Hor ; and ∖ haze throughout.
·23	·19	6/8	ID.	∖ haze throughout.
27· 0	·20	8/8	ID.	∖ haze throughout.
· 1	·21	8/8	D.	∖ haze throughout.
· 2	·22	3/8	D.	∖ haze throughout.
· 3	·23	8/8	D.	∖ haze throughout.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
27· 4	37· 0	3/8	D.	F. clds. in the SE., E., SE. and W., some moving from W. to E., others stationary.
· 5	· 1		G.	⌒ in the E. Hor.; and ∖ mist all round the Hor.
· 6	· 2		G.	∖ mist all round the Hor.
· 7	· 3		G.	∖ mist all round the Hor.
· 8	· 4		G.	Clear.
· 9	· 5		K.	L. ∖_ in the Hor.
·10	· 6		K.	Hor. very dim
·11	· 7		K.	Clear.
·12	· 8		K.	Clear.
·13	· 9		D.	F. clds. in the SE.
·14	·10	1/8	D.	F. clds. in the SE., NE., and NW.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
.17	·13		G.	Light fog all round the Hor.
·18	·14	7/8	G.	Thick fog all round the Hor.: a few F. ⌒∖i moving from NE. to SE.; and mist throughout.
·19	·15	8/8	G.	L. F. ⌒ in the NE.; and haze throughout.
·20	·16		G.	L. F. ⌒ in the SW. and S.; and ∖ mist all round the Hor.
·21	·17	7/8	ID.	∖ haze throughout.
·22	·18	6/8	ID.	∖ haze throughout.
·23	·19	5/8	ID.	∖ haze all round the Hor.; and gauze like mist throughout.
28· 0	·20		ID.	Clear.
· 1	·21		D.	Clear.
· 2	·22		D.	Clear.
· 3	·23		D.	Clear.
29· 4	29· 0		G.	Clear.
· 5	· 1		A.	Mist all round the Hor.
· 6	· 2		A.	— all round the Hor.
· 7	· 3		A.	Haze all round the Hor.
· 8	· 4		A.	Haze all round the Hor.
· 9	· 5		G.	Clear.
·10	· 6		G.	Clear.
·11	· 7		G.	Clear.
·12	· 8		G.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		A.	Light fog in the SE. Hor.
·18	·14		A.	— all round the Hor.
·19	·15		A.	∖ haze all round the Hor.
·20	·16		A.	Slight mist all round the Hor.
·21	·17		G.	Haze in the Hor.
·22	·18		G.	Light haze in the Hor.
·23	·19		G.	Clear.
30· 0	·20		G.	Clear.
· 1	·21		A.	Clear.
· 2	·22		A.	Clear.
· 3	·23		G.	Clear.
· 4	30· 0		G.	Clear.
· 5	· 1		G.	∖ haze in the E. Hor.
· 6	· 2		G.	∖ haze in the E. and NW. Hor.
. 7	· 3		A.	Clear.
· 8	· 4		A.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		D.	Overcast in the Southern Hor.
·12	· 8		D.	Clear.
·13	· 9		D.	Clear.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather
D. H.	D. H.			
30.14	30·10		D.	Clear.
·15	·11		G.	Clear.
·16	·12		G.	Clear.
·17	.13		G.	— all round the Hor.
·18	·14		G.	Light fog all round the Hor.
·19	·15		G.	Light mist all round the Hor.
·20	·16		A.	Thin lines of ╲_ in the S. above the Hor.; and mist all round the Hor.
·21	·17		A.	A line of L. F. clds. from the SE. to the S. Hor ; thick mist in the E. Hor.
·22	·18		A.	White mist extending from the E. to the S. Hor : haze in the Zth.: cymoid in the W.
·23	·19	5/8	A.	∨⌒i scattered in the Zth and cymoid ; imperfect ∨⌒i in the W., SW. moving SEd.; ╲i scattered ; Hor. clear.
31· 0	·20	7/8	A.	L. F. clds. and ╲i : clear in the N.
· 1	·21	6/8	G.	╲i scattered throughout.
· 2	·23	5/8	D.	╲i and ╲_ scattered throughout.
· 3	·22	7/8	D.	╲i and ╲_ scattered throughout.
· 4	31· 0	7/8	D.	╲i scattered throughout.
· 5	· 1	7/8	D.	╲i scattered throughout.
6	· 2	4/8	G.	— all round the Hor.; ╲i in the S ; and thin line of ╲_ extending from SW. to SE.: Zth. clear.
· 7	· 3	1/8	G.	— in the SE. and NW. Hor : faint ╲i in the S. and W. a little above the Hor.
· 8	· 4		G.	Clear.
· 9	· 5		G.	Clear.
·10	· 6		G.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9	2/8	D.	F. clds. along the Hor.
·14	·10	2/8	D.	F. clds. in the E , W., N. and S.
·15	·11	4/8	D.	F. clds. in the E., W., N. and S.
·16	·12	4/8	D.	F. clds. in the E., W., N. and S.
·17	·13	4/8	G.	Huge masses of D F. ⌒ scattered.
·18	·14	8/8	G.	Overcast with ╲_, ╲i, and D. F. clds.
·19	·15	8/8	G.	Overcast with D. F. ⌒i and faint ╲i.
·20	·16	8/8	G.	Overcast with D. F. ⌒i and faint ╲i.
·21	·17	7/8	A.	Large masses of D. F. clds moving SE.: F. ⌒i around the Hor.
·22	·18	4/8	A.	D F. clds. around the Hor.: haze in the Zth.
·23	·19	3/8	A.	F. ⌒i scattered in the Hor.; ╲i scattered around the Hor.: very light haze overhead.
April 1st.				
· 0	·20	2/8	A.	F. ⌒i scattered in the E. and SE. Hor ; L. F. clds. extending from N. to the SW. Hor. (by W)
· 1	·21	1/8	D.	F. ⌒i in the NW. Hor.: ╲i in the W., NW. and N.
· 2	·22	2/8	D.	F. ⌒i from NW. to SW. Hor : ⌒ in SE. Hor.: ╲i from NW. to NE , W. and Zth.
· 3	·23	1/8	D.	F. ⌒i from NW. to SW. Hor. : ╲i in the NW , SE. and S.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather
D. H.	D. H.			
1· 4	1· 0		D.	F. ⌒ in the W. Hor.: ╲_ in the NW.
· 5	· 1	3/8	G.	⌒ in the W.; ╲i in the S.; ╲_ in the NW ; and light fog in the E. Hor.
· 6	· 2	4/8	G.	Few ⌒i in the NE and N.; ╲i in the SW., W and SE.; and thick fog in the E Hor.
· 7	· 3		G.	— in the NW. and W. Hor.
· 8	· 4		G.	Clear
· 9	· 5		A.	Clear.
·10	· 6	6/8	A.	F. clds. scattered : F ⌒i in the Zth. moving SE.
·11	· 7	4/8	A.	F. ⌒i almost ∨⌒i scattered in the Hor . Zth clear.
·12	· 8	3/8	A.	D. F ⌒i scattered in the Hor : Zth. clear.
1·13	1· 9	3/8	D.	D. F. ⌒i scattered in E., W., N. and S.: Zth. partly clear.
·14	·10	3/8	D.	D. F. ⌒i scattered in E., W., N. and S.
·15	.11	3/8	D.	D F. ⌒i scattered in E., W., N. and S.
·16	·12	4/8	D.	D. F. ⌒i scattered in E., W., N. and S.
·17	·13	5/8	G.	D. F. ⌒i scattered all round the Hor.; and ╲i in the SE. and E. near the Zth.
·18	·14	4/8	G.	D. F. ⌒i ; and ╲i scattered : clear space around the Zth.
·19	·15	5/8	G.	⌒i in the W. Hor.: D. F. ⌒i ; and L. ╲i scattered.
·20	·16	8/8	G.	D. ⌒i and ╲i scattered throughout : scud moving gently from NW. to SE
·21	·17	5/8	A.	D. F. ⌒i in the Hor ; huge masses of D. F. clds. below moving S., ╲i scattered above them.
·22	·18	6/8	A.	D. F. clds. moving from N. to S. (by E): F. clds. in the Hor.: comoid in the Zth
·23	·19	8/8	A.	F. ⌒i moving S. from the N. (by E.): D. F. clds in the Hor.: comoid in the Zth.
2· 0	·20	7/8	A.	F. ⌒i in the Hor : ╲i and ╲_ scattered throughout.
· 1	·21	4/8	D.	F. ⌒i in the NW. and W. Hor : ╲i in the E , W., N. and S.: ╲ haze in the Zth.
· 2	·22	6/8	D.	F. ⌒i from NW. to SW.; ╲i in the E., W , N. and S.; ╲_ in NW. and N.; and thin F. clds. moving from W. to E.
· 3	·23	7/8	D.	F. ⌒i from NW. to SW.; and ╲_ scattered throughout : F. clds. moving from NW. to SE.
· 4	2· 0	6/8	D.	╲i and ╲_ scattered throughout.
· 5	· 1	5/8	G.	F. ⌒i in the W. and SW.; and ╲i scattered.
· 6	· 2	8/8	G.	╲_ in the W. and NW.; — in the E. Hor.: ╲i scattered throughout.
· 7	· 3	2/8	G.	╲_ in the W. Hor.: haze in the E. and N. Hor.; and L ╲i scattered in the W. and NW. round the Zth.
· 8	· 4	2/8	G.	╲i extending from N. to SW.; and — in the E. Hor.
· 9	· 5	7/8	A.	╲i throughout.
·10	· 6	7/8	A.	╲i and ╲_ scattered throughout.
·11	· 7	6/8	A.	╲i and ╲_ scattered throughout : Zth partly clear.
·12	· 8	4/8	A.	╲i and L. F. ⌒i scattered : Zth. clear.
·13	· 9	4/8	D.	D. F. clds. in the E., W., N. and S.
·14	·10	3/8	D.	D. F. clds. in the E., W., N. and S.
·15	·11	2/8	D.	D. F. clds. in the E., W., N. and S.
·16	·12	1/8	D.	D. F. clds. in the E., W., N. and S.
·17	·13	4/8	G.	F ⌒i scattered.
·18	·14	8/8	G.	Overcast with F. ⌒i, ╲_ and ╲i : scud moving from SW. to NE.
·19	·15	7/8	G	⌒╲_ in the NW. and W.; ⌒i in the W., SW. and N. Hor.; and ╲i throughout.
·20	·16	7/8	G.	⌒╲_ and ⌒i all round the Hor : F. ⌒i in the SE and SW.; and ╲i scattered throughout.
·21	·17	7/8	A.	D F. clds in the Hor.. ╲_ and ╲i throughout.
·22	·18	8/8	A.	D. F. clds in the Hor ; large masses of D. F clds. below moving SE : ╲i and ╲_ scattered above.
·23	·19	7/8	A.	D. F. clds in the Hor ; F. ⌒i scattered moving SE.: ╲_ and ╲i above.
3· 0	·20	7/8	A.	D. F. clds. in the Hor.: F. ⌒i moving SE. : ╲i and ╲_ scattered.
· 1	·21	6/8	D.	⌒ in the Hor.; and ╲i scattered throughout : F. clds. moving from W. to E.
· 2	·22	5/8	D.	⌒ in the Hor.; and ╲i, and ╲_ in E., W , N and S : haze in the Zth.; and F. clds. from W. to E.
· 3	·23	7/8	D.	⌒ in the Hor. ; and ╲i scattered throughout : ╲ haze in and about the Zth.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
3. 4	3· 0	4/8	D.	⌒ from N. to S. (by E.); ⟍i and ⟍_ in the E., W. and S,: ⟍ haze in and about the Zth.
· 5	· 1	5/8	G.	⌒ in the Hor.; and ⟍i over the greater part of the Sky.
· 6	· 2	4/8	G.	⌒ in the Hor.; and ⟍i over the greater part of the Sky.
· 7	· 3	1/8	G.	⟍i round the Hor.
· 8	· 4		G.	Clear.
· 9	· 5	4/8	A.	⟍i scattered.
·10	· 6	2/8	A.	⟍i and ⟍_ scattered in the Hor.
·11	· 7	3/8	A.	F. clds. in the Hor.
·12	· 8	4/8	A.	D. F. clds. scattered moving SE.
·13	· 9	2/8	D.	D. F. clds. throughout.
·14	·10	2/8	D.	D. F. clds. throughout.
·15	·11	2/8	D.	D. F. clds. throughout.
·16	·12	1/8	D.	D. F. clds, throughout.
·17	·13	6/8	ID.	D. ⌒⟍i in the NW., N., E. and S.; L. F. ⌒⟍i in the W. and SW.: ⟍i scattered throughout.
·18	·14	5/8	ID.	D. ⌒⟍i in the NW., N., E. and S ; L. F. ⌒⟍i in the W. and SW.: ⟍i scattered throughout
.19	·15	4/8	ID.	Large masses of F. ⌒⟍i from N. to S. (by E.): ⟍i and L. F. clds. scattered throughout.
·20	·16	5/8	ID.	Large masses of F. ⌒⟍i from N. to S. (by E.), and to W. of Zth.
·21	·17	7/8	A.	Large masses of D. F. ⌒⟍i moving S.: ⟍i and L. F. clds. scattered above.
·22	·18	7/8	A.	Large masses of D. F. clds moving S.: F. clds. in the Hor. except the W.: ⟍i and ⟍_ above scattered.
·23	·19	4/8	A.	F. clds. in the N., E. and S. Hor.; ⟍_ in the W : ⟍i scattered in the Zth.
4· 0	·20	2/8	A.	F. ⌒⟍i in the NE., E. Hor.; L. F. clds. in the S. Hor.: ⟍_ in the W. Hor.
· 1	·21	1/8	D.	F. ⌒ in the SE ; ⟍_ in the NW. and SE. Hor.
· 2	·22	1/8	D.	F. ⌒ in the SE.; ⟍i in the W., NW. and NE.
· 3	·23	2/8	D.	F. ⌒ in the SE.: ⟍i throughout.
5· 4	5· 0	3/8	G.	L. F. clds. all round the Hor.
· 5	· 1	3/8	G.	L. F. clds. all round the Hor.
· 6	· 2	3/8	G.	⟍_ in the S.; — and L. F. clds. scattered all round the Hor.
· 7	· 3	1/8	G.	⟍_ : and L F. ⌒ stretching from N. to W. Hor.
· 8	· 4	5/8	A.	L. F. clds. scattered : clear space in the S.
· 9	· 5	6/8	A.	⟍i and ⟍_ and F. clds : Zth. partly clear.
·10	· 6	7/8	A.	⟍i and ⟍_ scattered throughout.
·11	· 7	5/8	A.	⟍i and ⟍_ scattered throughout : Zth. partly clear.
·12	· 8	3/8	A.	⟍i and ⟍_ scattered : Zth. clear.
·13	· 9	6/8	D.	⟍i and ⟍_ scattered ; and ∿i in the Zth.
·14	·10	4/8	D.	⟍i and ⟍_ in E., W., N., and S.
·15	·11	3/8	D.	⟍i and ⟍_ in E., W., N., and S.
·16	·12	3/8	D.	⟍i and ⟍_ in E., W., N., and S.
·17	·13	7/8	D.	⟍i and ⟍_ scattered throughout.
·18	·14	7/8	G.	⟍_, ⟍i, and L. F. clds. scattered throughout.
·19	·15	7/8	G.	⟍i, ⟍_; and L. F. clds. scattered throughout.
·20	·16	5/8	G.	⟍i and ⟍_ scattered throughout.
·21	·17	6/8	G.	⟍i, ⟍_; and L. F. clds. scattered : Zth. partly clear.
·22	·18	4/8	A.	⟍i and F. clds. scattered around the Hor.
·23	·19	3/8	A.	⟍i and L. F. clds. scattered around the Hor.
6· 0	·20	6/8	A.	L. F. clds. in the Zth. moving E.; ⟍i and F. clds. scattered in the Hor.
· 1	·21	5/8	A.	F. clds. from NE. to S.: ⟍i from N. to S. (by W.) and in the Zth.
· 2	·22	3/8	D.	F. clds. moving NW. to SE.; ⟍i in W. and SW.: haze in and about the Zth : — in the Hor.
· 3	·23	4/8	D.	⟍i and ⟍_ in the E., W., N., S. and Zth. ; ∿ in SW.; and F. clds. in the NE , E. and SE. Hor.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
6· 4	6· 0	6/8	D.	⟍i scattered throughout : F. clds. in the E.
· 5	· 1	1/8	G.	⟍i and F. clds. in the W. and E.
· 6	· 2	4/8	G.	— all round the Hor.; and L. F. clds
· 7	· 3		G.	L. F. clds. in the SE. and S.
· 8	· 4		G.	L. F. clds. in the SE. and S.
· 9	· 5		A.	L. F. clds. in the SE. and S.
·10	· 6		A.	L. F. clds. in the SE. and S.
·11	· 7		A.	L. F. clds. in the S. and W.
·12	· 8	2/8	A.	D. F. ⌒⟍i scattered, moving rapidly Southward.
·13	· 9	3/8	D.	D. F. ⌒⟍i scattered, moving rapidly from NW. to SE.
·14	·10	6/8	D.	D. F. ⌒⟍i scattered moving rapidly from NW. to SE.
·15	·11	1/8	D.	F. clds. from N to S. (by W.)
·16	·12		D.	Clear.
·17	·13		G.	— in the W. and E. Hor.
·18	·14		G.	∿_ in the W. Hor.; and foggy mist in the remaining part of the Hor.
·19	·15		G.	∿_ in the W. Hor.; and foggy mist in the remaining part of the Hor.
·20	·16		G.	⌒⟍i in the W. Hor ; ⟍i in the SW.; and mist all round the Hor.
·21	·17	1/8	A.	Mist extending from the N to the W. Hor.: ⌒⟍i extending from the NE. to the SE. Hor. (by E.)
·22	·18		A.	Black haze in the W. Hor.
·23	·19		A.	Clear.
7· 0	·20		A.	Clear.
· 1	·21		D.	Clear.
· 2	·22		D.	⌒ in the SE. Hor.
· 3	·23		D.	Clear.
· 4	7· 0		D.	Clear.
· 5	· 1		G.	Clear.
· 6	· 2		G.	Clear.
· 7	· 3	3/8	G.	F. ⌒⟍i in scattered masses, moving from W. to SE.
· 8	· 4		G.	F. ⌒⟍i in scattered masses, moving from W. to SE.
· 9	. 5	5/8	A.	L. F. ⌒⟍i scattered moving rapidly SE.
·10	· 6	7/8	A.	Masses of D. F. clds. moving rapidly SE. from all quarters.
·11	· 7	7/8	A.	Large masses of D. F. clds. moving rapidly Southward.
·12	· 8	6/8	A.	F. clds. in the Hor.: large masses of D. clds. moving rapidly Sd.
·13	· 9	6/9	D.	F. clds. scattered, moving from NW. to SE.
·14	·10	4/8	D.	F. clds. scattered, moving from NW. to SE.
·15	·11	4/8	D.	F. clds. scattered, moving from NW. to SE.
·16	·12	3/8	D.	F. clds. scattered, moving from NW. to SE.
·17	·13	6/8	G.	D. F. clds. scattered in large masses.
·18	·14	6/8	G.	D. F. clds.; and ∿_ in large masses moving from N. to S.
·19	·15	4/8	G.	⌒⟍i all round in the Hor.; and F. ⌒⟍i moving from NE. to W.
·20	·16	4/8	G.	D. ⌒⟍i and ⟍i in the W. and N. Hor.; and slight haze in the Hor.
·21	·17	2/8	A.	L. F. clds., and ⟍i in the Hor.
·22	·18	5/8	A.	L. F. clds.; and ⟍i scattered throughout.
·23	·19	2/8	A.	L. F. clds.; and ⟍i scattered in the Hor.
8· 0	·20		A.	L. F. clds. in the SW. and NE.
· 1	·21		D.	Clear.
· 2	·22		D.	F. clds. in the SE. Hor.
· 3	·23		D.	F. clds. in the SE. Hor.
· 4	8· 0		D.	F. clds. in the SE. Hor.
· 5	· 1		G.	F. clds. in the SE. Hor.
· 6	· 2		G.	⌒⟍i in the W.; F. ⌒⟍i in the NW.; and haze in the E. Hor.
· 7	· 3		G.	Thick lines of ⟍_ in the W., a little above the Hor.; and F. ⌒ in the NE. and SE.: haze in W. Hor.
· 8	· 4	1/8	G.	F. ⌒⟍i scattered.

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Bombay Mean Time	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
8· 9	8· 5	4/8	A.	F. clds and ╲_ scattered moving SE.
·10	· 6	6/8	A.	F. clds moving Southward.
·11	· 7	6/8	A.	Masses of D. F. clds moving Southward from the N., E., W. and the Zth
·12	· 8	6/8	A.	F. clds in the Hor: masses of D. F. clds. moving rapidly Southward.
·13	· 9	5/8	D.	F. clds. in the Hor.: masses of D. F. clds. moving from NW. to SE.
·14	·10	6/8	D.	F. cls. in the Hor: masses of D. F. clds. moving from NW. to SE.
·15	·11	2/8	D.	F. clds from N. to S. (by W.), and in the SE. Hor. moving from N. to S.
·16	·12	2/8	D.	F. clds from N to S. (by W.), and in the SE. and NE.
·17	·13	1/8	G.	F ⌒ extending from NW. to SE. Hor.: — in the Hor. all round.
·18	·14	2/8	G.	F. ⌒i all round the Hor., except in the N. and NW.
·19	·15		G.	F. ⌒i scattered in the E. and SW: — in the W. and NW.: haze all round the Hor.
·20	·16	1/8	G.	F. ⌒i extending from SE. to NE.
·21	·17	2/8	A.	F. ⌒i extending from the NE. to the S. Hor.
·22	·18	5/8	A.	F. ⌒i almost ╲i; and F. clds. scattered: haze in the Zth.
·23	·19	5/8	A.	F. clds. extending from the NE. to the S. Hor; ∽i: haze in the Zth.
9· 0	·20	2/8	A.	L. F. clds. extending from the NE. to the S. Hor. (by E.); F. ⌒i: haze in the Zth.
· 1	·21		D.	F. clds. in the NW. and SE. Hor.: ∽ in the SW.
· 2	·22		D.	Clear.
· 3	·23		D.	Clear.
· 4	9· 0		D.	Clear.
· 5	· 1		G.	╲i and ╲_ in the NW. and W.
· 6	· 2		G.	╲ in the NE., NW. and W.; and haze in the E. Hor.
· 7	· 3	3/8	G.	╲ stretching from NE. to W. above the Hor.; and — in the W. Hor.
· 8	· 4		G.	╲i in the E., NE. and W. Hor.
· 9	· 5		A.	╲i in the W. and N.; a L. F. clds. in the W. pointing to the N. and SW.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8	4/8	A.	F. clds. in the Hor; F. ⌒i in the Zth. moving Southward.
·13	· 9	3/8	D.	F. clds. scattered, moving from NW. to SE.
·14	·10	5/8	D.	F. clds. scattered, moving from NW. to SE.
·15	·11	5/8	D.	F. clds. scattered, moving from NW. to SE.
·16	·12	3/8	D.	F. clds. scattered, moving from NW. to SE.
·17	·13	3/8	G.	F. ⌒i all round the Hor.; and ╲i moving from NW. towards the Zth
·18	·14	8/8	G.	F. ⌒i in the E., SE., S., W. and N.: mist throughout.
·19	·15	3/8	G.	F. ⌒i extending from SE. to NE. and NW., and haze in the Hor.
·20	·16	7/8	G.	F. ⌒i; and L. ╲i scattered throughout.
·21	·17	6/8	A	F. clds in the Hor.; F. ⌒i in the Zth moving S. Eastward: haze above.
·22	·18	7/8	A.	F. clds. in the Hor.
·23	·19	1/8	A.	Line of F. clds extending from the N. to the SW. Hor. (by W.): F. ⌒i in the S. Hor.
10· 0	·20	7/8	A.	F. clds extending from the N. to the SW. Hor. (by W.): F. ⌒i in the S. Hor., ⌒ in the W.
· 1	·21	6/8	D.	╲, ╲_; and F. ⌒ scattered throughout
· 2	·22	7/8	D.	╲, ╲_; and F. ⌒ scattered throughout.
· 3	·23	7/8	D.	╲, ╲_, and F. ⌒ scattered throughout.
10· 4	10· 0	7/8	D.	╲i, ╲_; and F. clds. scattered throughout: ∽_ in the SE. Hor.
· 5	· 1	7/8	G.	╲i and L. F. clds. throughout, except in the Zth.
· 6	· 2	8/8	G.	╲i, and L. F. ⌒ throughout.
· 7	· 3	7/8	G.	╲i throughout: F. ⌒ in the E. and SE.
· 8	· 4	7/8	G.	╲i throughout: F. ⌒ in the E. and SE.
· 9	· 5	5/8	A.	F. clds. in the Hor.: and F. ⌒i in the Zth., moving Southward.
·10	· 6	4/8	A.	F. clds in the Hor.; and F. ⌒i moving rapidly Southward from the W. and N.
·11	· 7	4/8	A.	F. clds. in the Hor.: masses of F. clds. moving Southward from the W. and N.
·12	· 8	4/8	A.	F. clds. in the Hor.; masses of F. clds. in the Zth., N. and W., moving Southward.
·13	· 9	4/8	D.	F. clds scattered moving from NW. to SE.
·14	·10	2/8	D.	F. clds from N. to S. (by W.): and F. clds. moving from NW. to SE.: ╲i in the W.
·15	·11	1/8	D.	F. clds. in NW., W., and SW. Hor.
·16	·12	2/8	D.	F. clds. from NW. to E. (by S.) Hor.
·17	·13	3/8	G.	F. ⌒i all round the Hor.
·18	.14	3/8	G.	F. ⌒i all round the Hor.; and haze throughout.
·19	·15	2/8	G.	F. ⌒i in the NW., W., S. and E.; and haze throughout.
·20	·16	4/8	G.	∽_, ⌒i; and F. ⌒ scattered all round the Hor.: haze throughout.
·21	·17	3/8	A.	F. clds. in the Hor.: F. ⌒i from the N. moving SE.
·22	·18	3/8	A.	F. clds. and ⌒i in the Hor.
·23	·19	2/8	A.	F. ⌒i in the Hor.
11· 0	·20	2/8	A.	F. ⌒i in the Hor.
· 1	·21	2/8	D.	F. clds. from NW. to SE. (by W.)
· 2	·22	1/8	D.	F. clds. from N. to S. (by W.)
· 3	·23		D.	L. F. clds. in the NW.
12· 4	12· 0	4/8	G.	F. ⌒i, in scattered masses, moving from W. to SE.
· 5	· 1	4/8	G.	F. ⌒i, in scattered masses, moving from NW. to SE.
· 6	· 2	5/8	G.	∽, ╲_ in the W.; F. ⌒i, in scattered masses, moving from NW. to SE.
· 7	· 3		G.	— in the W. Hor.; and haze in the E. Hor.
· 8	· 4		G.	⌒i in the E. Hor.
· 9	· 5		A.	⌒i extending from the N. to the SE. Hor.
·10	· 6		A.	F. ⌒i in the Hor.: F. ⌒i scattered around the Hor.
·11	· 7	7/8	A.	Masses of F. clds. moving rapidly from the NW. to NE.: F. ⌒i in the Hor.
·12	· 8	6/8	A.	Masses of D. F. clds. moving rapidly, from all quarters to the S.: F. ⌒i in the Hor.: Zth. partly clear.
·13	· 9	6/8	D.	Masses of D. F. clds moving rapidly, from N. to S.; and F. ⌒ in the Hor.
·14	·10	6/8	D.	Masses of D. F. clds. moving rapidly, from N. to S.; and L. F. ⌒ from S. to N.
·15	·11	3/8	D.	F. ⌒ from N. to S. (by W.); and ∽ from N. to S. (by E.): L. F. clds. moving from N. to S.
·16	·12	3/8	D.	F. ⌒ in NW. and W.; and ∽ scattered throughout.
·17	·13	2/8	G.	⌒i all round the Hor.
·18	·14	6/8	G.	— all round the Hor., ╲i and ∽i scattered.
·19	·15	1/8	G.	L. F. clds. in the E., N. E.; thick fog in the W. Hor.
·20	·16		G.	╲ mist in the E. Hor.
·21	·17		A.	L. F. clds. in the E. and S. Hor.
·22	·18		A.	╲i in the S. Hor.: haze in the W. Hor.
·23	·19	1/8	A.	╲i extending from the SW. to the E. Hor. (by S.)
13· 0	·20		A.	A line of F. clds. extending from the SW. to the SE. Hor. (by S.), F. clds. in the NW. Hor.
· 1	·21	2/8	D.	╲i in SE., S., SW. and NW.: ⌒ in SE. Hor.: ╲ haze throughout.
· 2	·22	3/8	D.	╲i from SE. to NW.: ⌒ in SE. Hor.: ╲ haze throughout.
· 3	·23	3/8	D.	╲i in SE., W., NW. and N.: ⌒ in SE. and E. Hor.: ╲ haze throughout.

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D. H.	D. H.			
13· 4	13· 0	7/8	D.	∖i and ∖_i scattered throughout: ⌒ in E. and SE. Hor.
· 5	· 1	2/8	G.	∖i in the SE., S. and SW.: ⌒ in the E. Hor.
· 6	· 2	6/8	G.	⌒ in the SE. Hor.; and ∖i scattered throughout.
· 7	· 3	2/8	G.	— all round the Hor.; ∖i in the W. and NW.: lightning in continued flashes in the E.
· 8	4	2/8	G.	— all round the Hor.: lightning in the E.
· 8	5		A.	∖_ in the S. and SE. Hor.
·10	· 6	2/8	A.	F clds. in the Hor.: F. ⌒∖i in the E. moving Southward.
·11	· 7	3/8	A.	F. ⌒∖i extending from the NE. to the S.
·12	· 8	6/8	A.	D. F. clds. scattered : Zth. partly clear.
·13	· 9	4/8	D.	D. F. clds. scattered in E., W , N., and S.: Zth. clear.
·14	·10	4/8	D.	D. F. clds. scattered in E., W., N., and S. Zth.
·15	·11	6/8	D.	D. F. clds. scattered throughout.
·16	·12	5/8	D.	D. F. clds. scattered throughout.
·17	·13	6/8	G.	∨⌒_ in the E. extending towards the Zth.: ⌒∖i in the SW. and W.; and F ⌒∖i in the N.: raining.
·18	·14	7/8	G.	∨⌒_, ⌒∖i, and F. ⌒∖i scattered.
.19	·15	7/8	G.	⌒, and D. F. ⌒ scattered in the Zth : ∖i and mist on the E. Hor.
·20	·16	7/8	G.	⌒∖i in the N., and NE.; ∨⌒, F. ⌒∖i and L. ∖i scattered throughout: mist in the E. Hor.
21	·17	7/8	A.	F. clds. in the Hor.: F. ⌒∖i moving NE.
·22	·18	5/8	A.	D. F. clds. in the Hor.: F. ⌒∖i almost ∨⌒i above: F. clds. below.
·23	·19	3/8	A.	D. F. clds. in the NW., W. and SW. Hor.: F. ⌒∖i and ∖i in the Zth.
14· 0	·20	1/8	A.	F. clds. in the N. and NW.; ⌒∖i in the S.
· 1	·21	1/8	D.	F. clds. in NW.: ⌒ in SE. Hor.
· 2	.22		D.	⌒ in the SE. Hor.
· 3	·23		D.	Clear ; haze throughout.
· 4	14· 0		D.	Mist in Hor.: haze throughout.
· 5	· 1		G.	— and ⌒ in the E. Hor.
· 6	· 2		G.	— extending from SE. to E. (by N.): haze in the W. Hor.
· 7	· 3		G.	Haze all round the Hor.
· 8	. 4		G.	Clear.
· 9	· 5	1/8	A.	L. F. clds ; and ∖_ in the S. and E. Hor.
·10	· 6		A.	∖_ in the S. Hor.
·11	· 7	2/8	A.	∖_ and ∖i in the NE., E and S.
·12	· 8	2/8	A.	∖_ and ∖i the NE., E. and S.
·13	· 9		D.	∖_ in the SE. Hor.
·14	·10		D.	∖_ in the SE. Hor.
·15	·11		D.	∖_ in the SE. Hor.: ∨⌒i throughout.
·16	·12		D.	∨⌒i in the NE. and SE.
·17	·13		G.	∨⌒i in the N.; and F. ⌒, and —, in the E. Hor.
·18	·14		G.	∨⌒, ∖, and — in the SE., E., and NE.: foggy mist all round the Hor.
·19	·15		G.	⌒, ∨⌒, and ∖ in the E : mist all round the Hor.
·20	·16		G.	⌒ in the E.: mist in the Hor.; and haze throughout.
·21	·17	2/8	A.	L. F. clds., and ∖i in the NE., E. & S.
·22	·18	2/8	A.	L. F. clds., and ∖i in the NE., E. and S.
·23	·19	2/8	A.	Haze in the NE., E. and S.
15· 0	·20		A.	Haze in the E. and SE. Hor.
· 1	·21		D.	⌒ in the SE. Hor.
· 2	·22		D.	Clear.
· 3	·23		D.	Thin ∖i in the NW. Hor.

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D. H.	D. H.			
15· 4	15· 0		D.	L. ∖i in NW. Hor.
· 5	· 1		G.	Faint ∖i in the W. and NW. Hor.
· 6	· 2	2/8	G.	Light fog all round the Hor.
· 7	· 3		G.	Haze in the W. Hor.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	F. ⌒∖i moving S. from the NE
·12	· 8	3/8	A.	F. clds. in the Hor.: F. ⌒∖i moving rapidly S.
·13	· 9	4/8	D.	F. clds. moving from NW. to SE.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	Light fog in the E. and W. Hor.
·18	·14		G.	Foggy mist all round the Hor : ∨⌒ in the E. and S.
·19	·15	2/8	G.	Foggy mist all round the Hor.: F. ⌒ in the E.; and ∨⌒i scattered.
·20	·16		G.	∨⌒i in the NE., S., and N.: ∖ haze throughout.
·21	·17		A.	F. ⌒∖i almost ∨⌒i in the NE. and E.: haze in the NE., E., SE. Hor.
·22	·18	3/8	A.	L. F. clds. extending from the E to the S. Hor.: haze extending from the N. to the SW. Hor. (by W.)
·23	·19		A.	Haze in the E. and SE. Hor.
16· 0	·20		A.	Clear.
· 1	·21		D.	Mist in the Hor.
· 2	·22		D.	Mist in the Hor.
· 3	·23		D.	Mist in the Hor.
· 4	16· 0		D.	Mist in the Hor.
· 5	· 1		G.	Mist all round the Hor.
· 6	· 2		G.	Haze all round the Hor.
· 7	· 3		G.	Haze in the W., NW., and E. Hor.
· 8	· 4		G.	L. F. clds. in the W , and NW. Hor.; and haze in the SE. Hor.
· 9	· 5		A.	L. F. clds. scattered in the Hor.
·10	· 6	2/8	A.	Detached F. ⌒∖i in the Hor.
·11	· 7	4/8	A.	D. F. clds. almost ∨⌒_ in the Hor., and in the Zth. moving S.
·12	· 8	5/8	A.	D. F. clds. in the Hor.; D. F. ⌒∖i moving SE. Zth.: partly clear.
·13	· 9	4/8	D.	D. F. clds. in E., W., N., and S.: Zth. clear.
·14	·10	4/8	D.	D. F. clds. in E., W., N., and S.; and in the Zth. moving from NW. to SE.
·15	·11	5/8	D.	D. F. clds. in E , W., N., and S.; and those in the Zth. moving from NW. to SE.
·16	·12	4/8	D.	D. F. clds. in E., W., N., and S.; and those in the Zth. moving from NW. to SE.
·17	·13	7/8	G.	D. F. ⌒ moving, in large masses, from NW. to SE.; and ∨⌒_ in the E. Hor.
.18	·14	6/8	G.	F. ⌒ moving in scattered masses, from NW. to SE.
·19	·15	4/8	G.	F. ⌒∖i scattered all round the Hor.; and haze throughout.
·20	·16	4/8	G.	F. ⌒∖i scattered : scud moving from N. to SE.; and haze throughout.
·21	·17	4/8	A.	F. clds. in the Hor., (NE., E. and SE.): masses of D. F. clds. overhead moving S.
·22	·18	2/8	A.	F. clds. in the NE., E. and SE. Hor.: mist in the W. Hor.
·23	·19		A.	L. F. ⌒∖i one in the NE and the other in the E., both moving S.
17· 0	·20		A.	Few ⌒∖i in the NE. and E.
· 1	.21		D.	F. clds. in the NE.
· 2	·22		D.	Clear.
· 3	·23		D.	Clear.

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D. H.	D. H.			
17· 4	17· 0		D.	Clear.
· 5	· 1		G.	Thin haze in the E. and SE. Hor.
· 6	· 2		G.	Thin haze all round the Hor.
· 7	· 3		G.	Thin haze all round the Hor.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7	2/8	A.	F. clds. scattered in the Hor.
·12	· 8	5/8	A.	F. ⌒i around the Hor.: F. clds overhead moving S. E.
·13	· 9	6/8	D.	F. clds. scattered, throughout, those in and about Zth. moving from NW. to SE.
·14	·10	5/8	D.	F. clds. scattered, throughout, those in and about Zth. moving from NW. to SE.
·15	·11	5/8	D.	F. clds. scattered, throughout, those in and about Zth. moving from NW. to SE.
·16	·12	4/8	D.	F. clds. scattered, throughout, those in and about Zth. moving from NW. to SE.
·17	·13	4/8	G.	F. clds. scattered, all round the Hor.; and faint \i in the Zth.: dew deposited.
·18	·14	7/8	G.	F. ⌒i, in large masses, moving from NW. to SE.: \i in the S..
·19	·15	6/8	G.	F. ⌒i, in large masses, moving from NW. to SE.; and ⌒i in the E.
·20	·16	5/8	G.	F. ⌒i. in large masses, moving from NW. to SE.; and ⌒i in the E.
·21	·17	3/8	A.	F. clds. in the Hor.: F. ⌒i in the E. moving S.
·22	·18	1/8	A.	F. clds. scattered in the NE., E. and S. Hor.: black mist in the W. Hor.
·23	·19		A.	Haze in the E., SE. Hor.: F. ⌒i in the SW. Hor.
18· 0	·20		A.	L. F. clds in the S. Hor.
· 1	·21		D.	Clear.
· 2	·22		D.	Clear.
· 3	·23		D.	Clear.
19· 4	19· 0		G.	⌒i in the SE. Hor.; and haze all round the Hor.
· 5	· 1		G.	Haze all round the Hor.
· 6	· 2		G.	Haze in the W. and E. Hor.
· 7	· 3		G.	Haze in the W. and E. Hor.
· 8	· 4		A.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Overcast in the S. Hor
.13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13	4/8	G.	L. F. clds. moving from N. to S.
·18	·14	3/8	G.	⌒i and F. clds. scattered in the E., S. and SW.: thick fog in the W. and NW. Hor.
·19	·15	2/8	G.	⌒i and ∽ in the SE., E. and NE.: a mass of F. ⌒ in the W; and foggy mist all round the Hor.
·20	·16	3/8	G.	⌒i in the W., SE., E. and NE.: haze all round the Hor.
·21	·17	2/8	A.	⌒i in the W. Hor: F. clds. in the NE., E. and S., scattered.
·22	·18	2/8	A.	⌒i almost ∽i in the Zth.: haze in the W. and E. Hor.
.23	·19		A.	F. clds. in the N. Hor
20· 0	·20		A.	F. clds. in the N. Hor.
· 1	·21		D.	∽ in the SE.
· 2	·22		D.	∽ in the NE.: mist in Hor
· 3	·23		D.	Mist in the Hor.
· 4	20· 0		D.	Mist in the Hor
· 5	· 1		G.	A few ⌒i in the Hor., and \ mist in the W. Hor.
· 6	· 2		G.	— and ⌒i in the E.; and \ haze all round the Hor
20· 7	20· 3		G.	Haze all round the Hor.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	F. ⌒i in the W. and S.
·13	· 9	3/8	D.	F. clds in E., W. and S.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	Light fog all round the Hor.
·18	·14		G.	Foggy mist all round the Hor.
·19	·15		G.	Foggy mist all round the Hor.
·20	·16		G.	Foggy mist all round the Hor.
·21	·17		A.	A \ in the S.: white mist in the E. Hor.
·22	·18		A.	Mist like \ in the E. Hor.
·23	·19		A.	Clear.
21· 0	·20	1/8	A.	F. clds. extending from the S. to the NE. Hor. (by E.:) haze throughout.
· 1	·21	2/8	D.	∽ in N., NE., E., SE., S. and SW., and in the Zth: haze throughout.
· 2	·22	2/8	D.	∽ scattered throughout: haze throughout.
· 3	·23	1/8	D.	∽ scattered throughout: haze throughout.
· 4	21· 0		D.	∽ in the SE. and NW.: haze throughout.
· 5	· 1	2/8	G.	∽ and F. ⌒ scattered in the E., N., NW. and W.; and haze throughout.
· 6	· 2	6/8	G.	∽ and F. ⌒ scattered: \ haze all round the Hor.
· 7	. 3	5/8	G.	∽ and F. ⌒ scattered; and — all round the Hor.
· 8	· 4	4/8	G.	F. ⌒ in the E., SE. and S. Hor; and — in the remaining parts of the Hor
· 9	· 5		A.	F. ⌒i in the S. Hor.
·10	· 6	1/8	A.	F. clds. scattered in the E. and S. Hor.
·11	· 7	1/8	A.	F. ⌒i in the S. and E. Hor.
·12	· 8	1/8	A.	F. clds. scattered in the SW., S. and E.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	— all round the Hor.
·18	·14	1/8	G.	— all round the Hor.; and ∽ and F. ⌒ in the E.
·19	·15		G.	∽ in the SE. a little above the Hor.: \ mist all round the Hor.; and haze throughout.
·20	·16		G.	Haze throughout.
·21	·17		A.	Mist, like \i in the E. and S. Hor.
·22	·18		A.	Mist in the E., S. and W. Hor.: haze in the Zth.
·23	·19		A.	Mist in the E. and SE. Hor.
22· 0	·20		A.	Mist in the E. and S. Hor.
· 1	·21		D.	Mist in the Hor.: haze throughout.
· 2	·22		D.	Mist in the Hor: haze throughout.
· 3	·23		D.	Mist in the Hor.: haze throughout.
· 4	22· 0		D.	Mist in the Hor.
· 5	· 1		G.	Mist in the Hor., all round.
· 6	· 2		G.	— in the Hor., all round.
· 7	· 3		G.	— in the Hor., all round.
· 8	· 4		G.	Light fog all round the Hor.: faint lightning in the N. by E.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear
·11	· 7		A.	Clear.
·12	· 8	2/8	A.	F. clds. scattered in the S., E. and NE. Hor.
·13	· 9		D.	Clear.
·14	·10		D.	Clear

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D. H.	D. H.			
22·15	22.11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	Light fog all round the Hor.; and haze throughout.
·18	·14		G.	Thick fog all round the Hor ; and haze throughout.
·19	·15		G.	Thick mist in the Hor all round ; and haze throughout.
·20	·16		G.	L. F. ⌒ in the S.; and haze throughout.
·21	·17		A.	Haze in the E. and S. Hor.
·22	·18		A.	Haze in the E. and S. Hor.
·23	·19		A.	Haze in the E. and S. Hor.
23· 0	·20		A.	Haze in the E. and S. Hor.
· 1	·21		D.	Mist in the Hor : haze throughout.
· 2	·22		D.	⌒ from N. to SE. (by E): mist in the Hor.; and haze throughout.
· 3	·23		D.	⌒ from N. to SE. (by E.): mist in the Hor.; and haze throughout.
· 4	23· 0		D.	⌒ from N. to S. (by E.): mist in the Hor.: haze throughout.
· 5	· 1	3/8	G.	⌒i in the E.; and \ haze all round the Hor.
· 6	· 2	6/8	G.	⌒i extending from SE. to N. above the Hor.: — in the S., W. and E.: Zth. clear.
· 7	· 3		G.	— all round the Hor ; F. ⌒ in the W. and NW.: lightning in the E.
· 8	· 4	6/8	G.	F. ⌒ scattered : lightning in the SE.
· 9	· 5	4/8	A.	∿ : Zth. partly clear.: lightning in the S. and NE. Hor.
·10	· 6	4/8	A.	D. F. clds. almost ∿ in the Hor.: lightning in the S. and NE. Hor.
·11	· 7	4/8	A.	D. F. clds. in the Hor.: lightning in the SW. and NE. Hor.
·12	· 8	6/8	A.	D. F. ⌒i scattered : Zth. partly clear : lightning in the SW. and NE. Hor.
·13	· 9	3/8	D.	∿ in E., W , N and S.: Zth. clear : lightning in E and W. in continued flashes.
·14	·10	6/8	D.	∿ throughout.
·15	·11	2/8	D.	∿ in NE , E., SE., SW., and NW. Hor.: lightning in the E. Hor.
·16	·12	3/8	D.	∿ throughout : lightning in SE. and NW. Hor
·17	·13	7/8	G.	Densely overcast with F. ⌒ and ∿i.
·18	·14	7/8	G.	∿, D. F. ⌒ : a few ∨⌒.
·19	·15	8/8	G.	— in the W.: ∿ in the S.: F. ⌒ and ∨⌒ scattered.
·20	·16	6/8	G.	—, \, ⌒ ; and L. F. clds. scattered.
·21	·17	3/8	A.	L. F. clds. scattered the Hor.
·22	·18	3/8	A.	L F. clds. in the Hor.
·23	·19	4/8	A.	L. F. clds in the Hor.: haze overhead.
24· 0	·20	7/8	A.	L. F. clds. in the Hor.; and F. ⌒i changing into ∨⌒i overhead : haze above.
· 1	·21	7/8	D.	L. F. clds. in the Hor ; and \i overhead.
· 2	·22	7/8	D.	Electrical ⌒i in the NE. Hor.: F. clds. ∨⌒i and \i overhead.
· 3	·23	7/8	D.	— all round the Hor.: ⌒i in the E.: L F. clds. ∨⌒ and L. \i scattered.
· 4	24· 0	7/8	G.	⌒i in the E.; F ⌒ and ∨⌒i scattered in the S., N., W. and SE.; and \ mist throughout.
· 5	· 1	4/8	G.	⌒i in the E. and N ; ∨⌒i in the E ; and \ haze all round the Hor.
· 6	· 2	4/8	G.	∨⌒ in in the NE.; — all round the Hor.; ⌒i in the N. and NE a little above Hor.
· 7	· 3	7/8	G.	L. F. clds. scattered throughout.
· 8	· 4	5/8	G.	∿ in the W. (by N.); and L. F. clds. scattered all round the Hor : lightning in continued flashes in the E.
· 9	· 5	4/8	A.	D. F clds. in the Hor.: lightning in the NW. and E. in continued flashes.
·10	· 6	6/8	A.	D. F clds. in masses (almost ∿) scattered : lightning in the N. by W. and NE. Hor.
·11	· 7	3/8	A.	D. F clds. (almost ∿) around the Hor.: lightning in the N., NW., SE. and NE. Hor.: distant thunder in the NE. Hor.

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D. H.	D. H.			
24·12	24· 8	3/8	A.	D. F. ⌒i (almost ∿) in the Hor.: lightning in continued flashes in the S. by W. and N. Hor.
·13	· 9	4/8	D.	∿ in the NW., W. and NE. Hor.
·14	·10		D.	∿ in NW. and W. Hor.
·15	·11		D.	∿ in NW. and W. Hor.
·16	·12		D.	∿ in NW. and W. Hor.
·17	.13	3/8	G.	∿ in the E. Hor.; and — in the remaining part of the Hor.
·18	·14	3/8	G.	⌒i in the E., S. and W ; a few ∨⌒i in the N. near the Zth.
·19	·15	2/8	G.	⌒i in the E. and W. by N.; and foggy mist all round the Hor.
·20	·16		G.	— in the W. Hor.: L. F. ⌒ in the SE. and NE.; and mist in the E. Hor.
·21	·17		A.	F. clds in the NE ; and SW. Hor.: mist in the remaining Hor.
·22	·18		A.	F. clds. in the W. Hor.: mist in the remaining Hor.
·23	·19		A.	F. clds. in the SW. Hor : mist in the remaining Hor.
25· 0	·20		A.	⌒i extending from the S. to NE Hor.
· 1	·21		D.	⌒ from NE. to SE. (by E.)
· 2	·22		D.	⌒ from NE. to SE. (by E)
· 3	·23		D.	⌒ from NE. to SE. (by E·)
26· 4	26· 0	1/8	G.	D. ⌒i in the E.
· 5	· 1	1/8	G.	D. ⌒i extending from E. (by S.) to N.
6	· 2		G.	D. ⌒i in the N. and N. by E.; and — in the E. and NW.
· 7	· 3		G.	D. ⌒i in the N. by E. and NE. Hor.; and — in the remaining part of the Hor.: lightning in the NE.
· 8	· 4		G.	— in the E., NW. and W. Hor.: lightning in the E. accompanied with a sharp squall which lasted 10m.
· 9	· 5		A.	Clear.
·10	· 6		A.	Overcast in the S. Hor.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G	F. ⌒ in the E. above the Hor.; and — all round the Hor.
·18	·14		G.	⌒i in the E. above the Hor.; and foggy mist all round the Hor.
·19	·15		G.	⌒i in the E and NE.; and foggy mist all round the Hor.
·20	·16		G.	Foggy mist all round the Hor.
·21	·17		A.	Mist in the E. and S. Hor.
·22	·18		A.	Mist in the E., S. and W. Hor.
·23	·19		A.	Haze in the E. S., and W. Hor.
27· 0	·20		A.	Clear.
· 1	·21		D.	⌒ from NE. to SE, (by E.) Hor.
· 2	·22		D.	⌒ from NE. to SE. (by E.) Hor.
· 3	·23		D.	⌒ from NE. to SE. (by E.) Hor.
· 4	27· 0		D.	⌒ from NE. to SE. (by E.)
· 5	· 1		G.	⌒i in the E. a little above the Hor.; and light mist in the E. Hor.
· 6	· 2		G.	Light fog in the E. and W. Hor.
· 7	· 3		G.	— in the W. and E. Hor.
· 8	· 4		G.	Light fog in the W. and E. Hor.
· 9	· 5		A.	Clear.
·10	· 6		A.	Overcast in the S. Hor.
·11	· 7		A.	Overcast in the S. Hor.
·12	· 8		A.	Overcast in the S.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
.17	·13		G.	F. ⌒ in the E. a little above the Hor.; and light fog in the E. and NE. Hor.

APRIL, 1846.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
27·18	27·14		G.	\⌒ in the E. and NE.; light \i a little above the E. Hor.; and light fog in the W. Hor.
·19	·15		G.	\i in the E : \ haze all round the Hor.
·20	·16		G.	\⌒ and \i in the E.; and \ haze all round the Hor.
·21	·17		A.	Haze in the E. and S. Hor.
·22	·18		A.	Haze in the E. and S. Hor.
·23	·19		A.	Clear.
28· 0	·20		A.	L. F. clds. in the S. Hor.
· 1	·21		D.	Clear.
· 2	·22		D.	⌒ in the NE., E. and SE. Hor
· 3	·23		D.	⌒ in the NE. and SE. Hor.: \i in the NW.
· 4	28· 0		D.	⌒ in E., and SE. Hor.: \ and _ in the NW.
· 5	· 1	2/8	G.	\i in the W., N. and NE.; and light fog in the E. and SE. Hor.
· 6	· 2		G.	\i in the W. and N. Hor.; and \ haze all round the Hor.
· 7	· 3		G.	— in the W. and N. Hor.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Overcast in the S. Hor.
·12	· 8	1/8	A.	F. clds. in the E. and S.
·13	· 9		D.	Clear
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	F. clds. in the NE.
·17	·13		G.	Light fog in the SF.
·18	·14		G.	\ haze all round the Hor : — in the SE. a little above the Hor.
·19	·15		G.	Mist in the E. Hor.
·20	·16		G.	\i in the SE
·21	·17	2/8	A.	F. clds. extending from the S. to the NE. Hor. (by E.)
·22	·18	2/8	A.	F. clds. scattered in the S., SW., E. and NE. Hor.
·23	·19	3/8	A.	F. clds. and \i scattered throughout.
29· 0	·20	6/8	A.	F. clds. in the Hor.: \⌒i and \l in the Zth.
· 1	·21	2/8	D.	\⌒ from NE. to S. (by W.); and ⌒ in E. and SE. Hor.
· 2	·22		D.	\⌒ in the NW
· 3	·23		D.	Clear.
· 4	29· 0		D.	Clear.
· 5	· 1		G.	Clear
· 6	· 2		G.	Haze all round the Hor.
. 7	· 3		G.	Haze all round the Hor.
· 8	· 4		G.	Clear.
· 9	· 5		A.	F. clds. almost \⌒i. S. of the Zth.
·10	· 6		A.	Clear.
·11	· 7		A.	Overcast in the S. Hor.
·12	· 8		A.	Overcast in the S. Hor.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	F. clds. in the SE. and S.
·17	·13	2/8	G.	L. F. clds. in the E., NE., SE. and S — all round the Hor.
·18	·14	1/8	G.	F. ⌒ in the SE., E. and NE.; and haze all round the Hor.
·19	·15		G.	Slight haze in the Hor.
·20	·16		G.	Clear.
·21	·17		A.	Few F. clds in the SE. Hor.
·22	·18		A.	Clear.
·23	·19		A.	Clear.
30· 0	·20		A.	Clear.
· 1	·21		D.	Clear.
30· 2	30·22		D.	Clear.
· 3	·23		D.	Clear.
· 4	30· 0		D.	Clear.
· 5	· 1	3/8	G.	F. ⌒i scattered in the N., E., NE. SE., and SW.
· 6	· 2	2/8	G.	F. ⌒i scattered in the NE., SE., E. and NW.; and \ haze in the W. Hor.
· 7	· 3	1/8	G.	F. ⌒i scattered in the N., E., S. and SW.; and — in the W. Hor.
· 8	· 4		G.	Clear.
· 9	· 5		A.	F. ⌒i in the N. and W.
·10	· 6	2/8	A.	F. clds. scattered in the Hor.
·11	· 7	1/8	A.	F. clds. scattered in the Hor.
·12	· 8	1/8	A.	F. clds scattered in the Hor.
·13	· 9		D.	F. clds. in the NW.
·14	·10		D.	F. clds in the NW.
.15	·11		D.	Clear.
·16	·12		D.	F. clds. in the NE.
·17	·13	3/8	G.	\⌒ and L. F. ⌒i scattered; and — in the E. Hor: light fog in the W. Hor.
·18	·14	3/8	G.	\⌒ and L. F. ⌒ scattered; and light fog in the W. and E. Hor.
·19	·15		G.	\⌒ and L. F. ⌒ scattered from SW. to NE.: light mist in the E. and W. Hor.
·20	·16	2/8	G.	\⌒ and L. F. ⌒ scattered from SW. to E.: thin haze in the E. Hor.
·21	·17	1/8	A.	F. clds. scattered in the S. and E.
·22	·18	1/8	A.	F. clds. scattered in the S. and E.
·23	.19		A.	F. clds. scattered in the S. and E.
1st May.	·20		A.	F. clds. scattered in the S. Hor.
· 1	·21		D.	⌒ in the E. and SE. Hor
· 2	·22		D.	⌒ In the SE. Hor.
· 3	·23		D.	Clear.

MAY, 1846.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observers.	State of the Weather.
D. H.	D. H.			
1· 4	1· 0		D.	⌒ in the SE. Hor.
· 5	· 1		G.	Clear.
· 6	· 2		G.	Clear.
· 7	· 3		G.	Light haze in the W. Hor.
· 8	· 4		G.	Clear.
· 9	· 5		A.	F. clds. almost \⌒i scattered in the S and SE.
·10	· 6		A.	F. ⌒i almost \⌒i in the W. and NW
·11	· 7	8/8	A.	Overcast in the N. and S.
·12	· 8	2/8	A.	Overcast in the Hor.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear
·17	·13		G.	L. F. clds. in the E. Hor
·18	·14		G.	⌒i and \⌒i in the Hor., and slight mist in the E. Hor.
.19	·15		G.	\⌒i and L. F. clds in the E. above the Hor.; and mist all round the Hor
·20	·16		G.	Mist in the E. Hor.
·21	·17		A.	Mist in the E. and S. Hor
·22	.18		A.	Mist in the E and S Hor
·23	·19		A.	Clear.
2· 0	·20		A.	Clear
· 1	·21		D.	Clear.
· 2	·22		D.	Clear.
· 3	·23		D.	Clear
3. 4	3· 0		G.	\i in the E.
· 5	· 1		G.	L. F. clds. in the E. and S.
· 6	· 2		G.	— in the E.

MAY, 1846.

Bombay. Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
3· 7	3· 3		G.	L. F. ⌒⟍i in the W. Hor; and — in the NW. Hor.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Overcast in the E. and S.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	L. fog in the E; and fleecy clouds in the NW.
·18	·14		G.	L. fog all round the Hor.; F. ⌒ in the W.
·19	·15		G.	Mist in the Hor.; and a mass of F. clds. in the W.
·20	·16		G.	⟍ mist in the E.
·21	·17	1/8	A.	L. F. clds. almost ⟍i extending from the S. to the N. (by F.)
·22	·18		A.	Haze in the E and S. Hor.
·23	·19		A.	F. ⌒⟍i in the N.: haze in the E. and S. Hor.
4· 0	·20		A.	F. ⌒⟍i in the N: haze in the E. and S. Hor.
· 1	·21		D.	Clear.
· 2	·22		D.	Clear.
· 3	·23		D.	F. clds. in the SE. Hor.
· 4	4· 0		D.	⌒ in the SE. Hor.
· 5	· 1		G.	⌒ in the E. and SE. Hor.
· 6	· 2		G.	Clear.
· 7	· 3		G.	— in the W. Hor.
· 3	· 4		G.	F. ⌒ in the NW. and SW.: scud moving from SW. to NE.
· 9	· 5		A.	F. clds. in the NW. Hor.
·10	· 6	2/8	A.	L. F. clds. in the Hor.
·11	· 7	2/8	A.	L. F. clds in the Hor.
·12	· 8	1/8	A.	L. F. clds. in the Hor.
·13	· 9	1/8	D.	F. clds from NW. to S. (by W.)
·14	·10	1/8	D.	L F. clds. in the NW. and W. Hor.
·15	·11	1/8	D.	L. F. clds in the NW. and W. Hor.
·16	·12		D.	Clear.
·17	·13	1/8	G.	L. F. clds. in the E., W, NW., NE. and SE. Hor.
·18	·14	1/8	G.	L. F. clds. all round the Hor.
·19	·15	6/8	G.	L. F. clds moving, in scattered masses, from NW. to SE.
·20	·16	6/8	G.	L. F. clds. moving, in scattered masses, from NW. to SE.
·21	·17	6/8	A.	D. F. clds. in the Hor.: masses of D. F. clds. moving, rapidly, S.
·22	·18	4/8	A.	⌒⟍i in the Hor.: F. clds. scattered; and haze overhead.
·23	·19	1/8	A.	L. F. clds. and ⟍i in the Hor.: scud moving very rapidly from the W. to the E.
5· 0	·20	1/8	A.	L. F. clds. in the E., S., and NE Hor: scud overhead moving, very rapidly, S.
· 1	·21		D.	⟍_ in the SE. Hor
· 2	·22		D.	⟍_ in the SE. Hor.
· 3	.23		D.	⟍_ in the SE. Hor.
· 4	5· 0		D.	⟍i in the SE. Hor.
· 5	· 1		G.	⟍i in the SE. Hor.
· 6	· 2		G.	⟍ haze in the E. and SE Hor.
· 7	· 3		G.	— in the W. Hor.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
5·13	5· 9		D.	Clear.
·14	·10		D.	Clear
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13	5/8	G.	⟍i scattered in the N, E. and S; and — all round the Hor.
·18	·14	5/8	G.	⟍i scattered in the N, E. and S.; and — all round the Hor.: mist in the E. hills.
·19	·15	5/8	G.	⟍i in the NE., E., S. and SW.: F. ⌒ in the W.: light foggy mist all round the Hor.
·20	·16	6/8	G.	⟍i in the SE., E., S and SW.: F. ⌒ in the NW., N. and NE.; and haze throughout.
·21	·17	4/8	A.	⟍i scattered, F. clds. in the N. Hor.: a mass of F clds. moving from the N. to the E: Zth partly clear.
·22	·18	6/8	A.	⟍_ and ⟍i; and F. clds. in the N. and W. Hor.
·23	·19	6/8	A.	⟍_, ⟍i, overhead: F. clds. in the Hor.
6· 0	·20	7/8	A.	⟍_, ⟍i throughout,: F. clds. in the N. and E. Hor.
· 1	·21	6/8	D.	⟍i scattered throughout: ⟍_ in the SE. Hor.
· 2	·22	6/8	D.	⟍i scattered throughout.
· 3	·23	5/8	D.	⟍i scattered throughout.
· 4	6· 0		D.	⟍i, and ⟍_ in the SE. Hor.
· 5	· 1	1/8	G.	⟍i in the SE., E. and NE.
· 6	· 2		G.	⟍i and ⟍_ in the E, SE. and NE.
. 7	· 3		G.	⟍i in the E; and light fog in the W. and NW. Hor.
· 8	· 4		G.	Clear.
· 9	· 5		A.	F. clds. in the S. Hor.
·10	· 6		A.	L. F. clds. in the S. and S by W. Hor: a light whirlwind at 9h. 30m., and 9h. 50m.
·11	· 7	1/8	A.	L. F. clds. in the SW., S. and E. Hor.
·12	· 8	6/8	A.	⟍_ in the E. and S. Hor.: F. ⌒⟍i moving Southward: Zth. partly clear.
·13	· 9	6/8	D.	D. F. clds. moving from NW. to SE.
·14	·10	6/8	D.	D. F. clds. moving from NW. to SE.; and ⟍_ in the NW.
·15	·11	1/8	D.	D. F. clds. in the NW, W., SW. and NE., part moving from NW. to the SE.
·16	·12	1/8	D.	F. clds. in the E., W, N. and S.
·17	·13	6/8	G.	∨_ in the E. and NW.; and F. clds. in large masses, moving from N. to S.
·18	·14	7/8	G.	D. F. clds. in large masses, moving from N. to SE.
·19	·15	7/8	G.	⌒⟍i in the E., S. and SW. Hor., and D. F. ⌒⟍i in large masses, moving from N. to SE.: haze throughout.
·20	·16	7/8	G.	Patches of ∨⌒ in the W.; F. ⌒⟍i. in large masses, moving from N to SE.; and haze throughout.
.21	·17	6/8	A.	F. clds. and ⟍i in the Hor.: F. ⌒ overhead moving SE. haze above.
·22	·18	5/8	A.	⟍_ and L. F. clds. in the Hor.; F. ⌒⟍i in the Zth. moving S.: very rare ⟍i like haze above.
·23	·19	5/8	A.	L. F. clds. and ⟍_ in the Hor.: very rare ⟍i almost like haze in the Zth.
7· 0	·20	2/8	A.	L. F. clds. in the Hor: haze in the Zth.
· 1	·21	1/8	D.	⟍_ in the NW., N. and SE: mist in the Hor.
· 2	.22		D.	⟍_ in the NW. and SE.: mist in the Hor.
· 3	·23		D.	⟍_ in the NW. and SE: mist in the Hor.
· 4	7. 0		D.	⟍_ in the NW.: mist in the Hor.
· 5	· 1		G.	— in the E. Hor.
· 6	· 2		G.	— in the E. Hor.
· 7	· 3		G.	Slight haze all round the Hor.
· 8	· 4		G.	Slight haze all round the Hor.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.

MAY, 1846.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
7·12	7·8		A.	Clear
·13	·9		D.	Clear
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	F. ⌒ in the W ; ∿i in the NE ; and haze all round the Hor.
·18	·14		G.	F. ⌒ in the E. and W.; and haze all round the Hor.
·19	·15	4/8	G	F. ⌒i. scattered : haze throughout ; and ⌒ in the W. Hor.
·20	·16	2/8	G.	⌒ in the NW : L. F. clds. moving from NW. to SE ; and haze throughout.
·21	·17	6/8	A.	F. clds. scattered around the Hor.: ∖i in the Zth.
·22	·18	4/8	A.	L. F. clds. in the W. Hor : ∖i throughout.
·23	·19	7/8	A.	∖i and ∖⎯ throughout.
8·0	·20	7/8	A.	∖i and ∖⎯ throughout.
·1	·21	7/8	D.	∖i and ∖⎯ throughout
·2	·22	8/8	D.	∖⎯ in the E., SE. and S ; ∖i in the NW., E , SE. and S.: ∖ haze throughout.
·3	·23	2/8	D.	∖⎯ in the E., SE. and S.; ∖i in the NW., W., and SW : ∖ haze throughout.
·4	8·0	8/8	D.	∖⎯ in the E., SE. and S.; ∖i in the E , W., N. and S.: ∖ haze throughout.
·5	·1	8/8	G.	∖⎯ and ∖ in the E., W. and NW.; and ∖ haze throughout.
·6	·2		G.	∖⎯ and ∖ in the E., W. and NW., above the Hor.; and ∖ haze all round the Hor.
·7	·3		G.	∖i in the W. near the Zth.; and ∖ haze all round the Hor.
·8	·4		G.	∖i in the E. SE. and NE. above the Hor : ∖ haze all round the Hor.
·9	·5		A.	L. F. clds. in the S. Hor.
·10	·6		A.	L. F. clds. in the S. Hor
·11	·7		A.	Clear.
·12	·8		A.	Clear.
·13	·9		D.	∿ in the W., SW., S. and SE.
·14	·10	6/8	D.	∿ throughout.
·15	·11	1/8	D.	∿ in the NW. and W.
·16	·12	1/8	D.	F. clds. in the NW. and W. Hor.
·17	·13	3/8	G.	⌒ in the W.; and L. F. clds. scattered in the SW. and S ; — in the E. and W Hor ; and ∖⎯ in the NW.
·18	·14	4/8	G.	⌒ in the NW., N. and NE.; L. F. clds. in the W. SW. and S ; and slight mist in E Hor.
·19	·15	6/8	G.	⌒ in the N Hor ; F. ⌒i, in large masses, moving from N. to SE.; and haze throughout.
·20	·16	6/8	G.	F. ⌒i scattered, in large masses: scud moving from NW. to SE.; and haze throughout.
·21	·17	6/8	A.	F. clds. scattered in the Hor.: large masses of D. F. clds overhead moving E.: haze in Zth.
·22	·18	4/8	A.	F. clds scattered around the Hor.: haze in the Zth.
·23	·19	3/8	A.	F. clds. scattered around the Hor.
9·0	·20	2/8	A.	F. clds. scattered in the NE., E. and S. Hor.: three fleecy clds. changing into ∿i N of Zth.
·1	·21	1/8	D.	F. ∿ in the SE. and E. Hor.
·2	·22	3/8	D.	∿ across from NE. to S.
·3	·23	3/8	D.	∿ scattered throughout.
10·4	10·0		D.	L. ∖i in the SE.
·5	·1	3/8	G.	∖i in the SE., S. and W.
·6	·2	6/8	G.	∖i all round the Hor.: L. F. ⌒ moving from N. to S (by W.)
·7	·3	5/8	G.	⌒i in the E ; ∖i in the SE., S. and SW., — all round the Hor ; and F. ⌒ in the NW.
·8	·4	8/8	G.	⌒i. in scattered masses, moving from NW. to SE.
·9	·5	1/8 4/8	A.	Masses of D. F. clds. moving SE.

Bombay Mean Time.	Gottingen Mean Time	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
10·10	10·6	4/8	A.	F. clds. in the Hor.: F. ⌒ overhead moving S.
·11	·7	4/8	A.	F. clds. in the Hor.: F. ⌒i in the Zth. moving S.
·12	·8	4/8	A.	D. F. clds. in the Hor.: large masses of D. F. clds. moving from the N. to the S.
·13	·9	5/8	D.	D. F. clds. moving from N. to S.; and F. ⌒ in the Hor.
·14	·10	6/8	D.	D. F. clds. moving from N. to S.; and F. ⌒ in the Hor.: ∿ in the SE. and S.
·15	·11	5/8	D.	F. ⌒ scattered throughout.
·16	·12	1/8	D.	F. ⌒ in the NW., SW. and SE.
·17	·13	2/8	G.	⌒ and ∿⎯ all round the Hor.
·18	·14	4/8	G.	∿⎯ in the E.; ⌒ in the W., NW., NE., S. and SE.: — in the SW.
·19	·15	5/8	G.	F. ⌒i moving from NW. to SE.; and haze throughout.
·20	·16	6/8	G.	F. clds. scattered in the NW., NE. and SE ; and ∖ haze throughout.
·21	·17	6/8	A.	F. clds. scattered around the Hor.: masses of D. F. clds. overhead moving S.
·22	·18	1/8	A.	F. clds. scattered in the NE. E. and S. Hor.
·23	·19		A.	Haze in the E. and S. Hor.
11·0	·20		A.	Haze in the E. and S Hor.
·1	·21		D.	⌒ along the E. Hor.
·2	·22		D.	⌒ along the E. Hor., and SE. Hor.
·3	·23		D.	⌒ along the SE. Hor.
·4	11·0		D.	⌒ along the E., and SE., Hor.
·5	·1		G.	⌒ along the E. Hor.; and a few F. ⌒ in the SE. Hor.
·6	·2	3/8	G.	— below, and ⌒ above : ∖ haze in the W. Hor.
·7	·3	1/8	G.	∿⎯ in the E. Hor.; ⌒i, in scattered masses, extending towards SW. of Zth ; F. ⌒ in NE.; and — in the W. Hor.
·8	·4	7/8	G.	∿⎯ in the E. Hor.; and F. ⌒ in the remaining part of the Hor.: haze in the Zth.
·9	·5	4/8	A.	∿i in the Zth.: D. F. clds. scattered around the Hor.
·10	·6	4/8	A.	D. F. clds.: Zth. partly clear.
·11	·7	2/8	A.	D. F. clds , those in the S. changing into ∿⎯i.
.12	·8	3/8	A.	D. F. clds.; ∿⎯i extending from the S. to the W. Hor.: lightning in the S. Hor
·13	·9	3/8	D.	Overcast lightning in the SW.
.14	·10	4/8	D.	Overcast : lightning in the SW
·15	·11	5/8	D.	Overcast : lightning in the SW.
·16	·12	1/8	D.	Overcast : lightning in the SW.
·17	·13	7/8	G.	Overcast : clearing in the E., and NE
·18	·14	1/8	G.	Overcast : partly clear in the NE.
·19	·15	1/8	G.	Overcast with D. F. ⌒i in the E.; ∖⎯ in the N ; ∿ in the W.; and L. ∖i in the NE.
·20	·16	6/8	G.	∿⎯ in the W ; F ⌒ scattered round the Zth.; — in the N. above the Hor.: ⌒i in the N. Hor.
·21	·17	7/8	A.	∿ in the SW.; F clds. scattered in the Hor : haze overhead.
·22	·18	7/8	A.	F clds. in the Hor.: F. ⌒i almost ∿i in the Zth.
·23	·19	4/8	A.	F. clds. in the Hor.; ∿i in the SW : a mass of F clds. N. of the Zth.
12·0	·20	4/8	A.	F. clds in the Hor.: imperfect ∿i in the W., SW.: haze in the Zth.
·1	·21	5/8	D.	∿i scattered throughout : F. clds. in the E. and SE Hor.
·2	·22	8/8	D.	∿i scattered in W , E. SE. and S.; and F. clds in the E. and SE. Hor.: ⌒ in the SE Hor.
·3	·23	4/8	D.	∿i scattered in the W., S. and Zth.: ∖⎯ in the SE., E. and NW. Hor.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
12. 4	12· 0	³/₈	D.	\⌒ throughout : ⌒ in the SE. Hor.
· 5	· 1	⁴/₈	G.	\⌒ in the Zth ; D. F. ⌒ extending from S. to SW ; and ⌒ in the SE., NE. and E Hor.
· 6	· 2	³/₈	G.	⌒ extending from E. to SW. Hor ; \⌒ and \ in the E. and NW. near the Zth.
· 7	· 3	⁷/₈	G.	D. F. ⌒i, and \⌒_ scattered throughout : a few breaks W. and NW.: scud moving from NW. to S.
· 8	· 4	⁷/₈	G.	D. F. ⌒i, and \⌒_ scattered : scud moving from NW. to SE : clear in the N. and NE near the Zth.
· 9	· 5	⁸/₈	A.	D. F clds. in the Zth : \⌒_i throughout : a few drops of rain.
·10	· 6	⁸/₈	A.	\⌒_ : a few stars visible in the Zth. and W. Hor.
·11	· 7	⁷/₈	A.	D. F, clds.; and \⌒i overhead.
·12	· 8	⁸/₈	A.	Overcast with \⌒_.
·13	· 9	⁷/₈	D.	Overcast.
·14	·10	⁷/₈	D.	Overcast.
·15	·11	⁶/₈	D.	Overcast.
·16	·12	⁶/₈	D.	Overcast.
·17	·13	⁶/₈	G.	\⌒_ in the W. Hor.; and F. clds. scattered throughout.
·18	·14	⁷/₈	G.	F. clds. scattered throughout.
.19	·15	⁷/₈	G.	F. clds. scattered throughout : scud moving along the Hor from S. to SE.
·20	·16	⁷/₈	G.	\⌒_ in the SE. and E.; and F. clds. scattered throughout : scud moving from S. to NE.
·21	·17	⁴/₈	A.	F. clds. in the Hor.: haze in the E.
·22	·18	⁴/₈	A.	F. clds. scattered : \⌒i above, and F. clds. below near the W. Hor.
·23	·19	⁶/₈	A.	⌒i in the S. and SW. Hor.; F. clds. in the remaining Hor.: \⌒i moving rapidly S. from the N. Hor.
13· 0	·20		A.	⌒i in the E., S. Hor.: F. clds. in the W. Hor.
· 1	·21		D.	⌒ in the E ; and \i in the NW.
· 2	·22		D.	⌒ in the SE.; and F, clds. in the NW.
· 3	·23		D.	⌒ in the SE. Hor.
· 4	13· 0	¹/₈	D.	⌒ from NE. to SE.
· 5	· 1	¹/₈	G.	⌒ in the SE ; and \⌒_i extending from E. to N.
· 6	· 2	⁶/₈	G.	\⌒_ extending from S. to N. (by E.); and F. ⌒ scattered.
7	· 3	⁷/₈	G.	\⌒_ scattered : clear space in the N. and NE. near the Zth.
· 8	· 4	⁷/₈	G.	\⌒_ scattered throughout : a few breaks in the Zth.
· 9	· 5	⁸/₈	A.	D. F. clds. almost \⌒_i.
·10	· 6	⁸/₈	A.	Thickly overcast with D. F. clds.
·11	· 7	⁸/₈	A.	Thickly overcast with D. F. clds. and \⌒_ : thin rain.
·12	· 8	⁸/₈	A.	D. F. clds. ab ve, \⌒_i below scattered moving S.
·13	· 9	⁶/₈	D.	Overcast.
·14	·10	⁶/₈	D.	Overcast : a few drops of rain.
·15	·11	⁶/₈	D.	Overcast : light rain at 15h. 52m.
·16	·12	⁷/₈	D.	Overcast ; raining very lightly.
·17	·13	⁷/₈	G.	Overcast with \⌒_.
·18	·14	⁷/₈	G.	Overcast with \⌒_, and D. F clds : scud moving from NW. to SE. below.
·19	·15	⁸/₈	G.	Overcast with \⌒_ : rain commenced falling at 19¼h and lasted about 2m.
·20	·16	⁸/₈	G.	Overcast with \⌒_, and D. F. ⌒i.
·21	·17	⁶/₈	A.	\⌒_i.
·22	·18	²/₈	A.	\⌒_ in the W. Hor.: D. F. clds. throughout.
·23	·19	⁶/₈	A.	\⌒_i around the Hor.: \⌒_i in the Zth.
14· 0	·20	⁷/₈	A.	D. F. clds. in the Hor.: \⌒ in the Zth.
· 1	·21	⁷/₈	D.	D. F. clds. in the E., W., N. and S.: \⌒ in the Zth.
· 2	·22	⁷/₈	D.	D. F clds. in the E., W., N. and S.: \⌒ in the Zth.
· 3	·23	⁵/₈	D.	D. F. clds. scattered throughout.
14· 4	14· 0	⁵/₈	D.	F. clds. and _ throughout : \⌒i in the E., W., N. and S.: Zth. partly cloudy.
· 5	· 1	⁴/₈	G.	F. clds. in the W., E., N ; \⌒ in the W. by N. and N , NW. above the Hor.; and ⌒ in the SE. and E.
· 6	· 2	⁵/₈	G.	D. ⌒i in the E.; \i and _ in the SE., NE., W. by N. and N.; and F. clds. in the W. and SW.
· 7	· 3	⁵/₈	G.	\⌒_ in the W. and E.; \⌒i scattered in the S. passing gently towards the N ; and — in the N.
· 8	· 4	⁸/₈	G.	Overcast with \⌒_ : lightning in the E by S. in continued flashes.
· 9	· 5	⁷/₈	A.	Detached \⌒_i.
·10	· 6	⁷/₈	A.	\⌒ in the Hor.: \⌒i in the Zth. moving SE.
·11	· 7	⁶/₈	A.	D. F. clds. around the Hor.: \⌒i in the Zth. moving S.
·12	· 8	⁷/₈	A.	D. F. clds. throughout : \⌒i in the Zth.
·13	· 9	⁷/₈	D.	D. F. clds.; and \⌒i throughout.
·14	·10	⁷/₈	D.	D. F. clds ; and \⌒i throughout.
·15	·11	⁶/₈	D.	D. F. clds ; and \⌒i throughout.
·16	·12	⁷/₈	D.	D. F. clds. throughout : \⌒ in the S.
·17	·13	⁷/₈	G.	D. F. clds. throughout ; and \⌒_ all round the Hor.
·18	·14	⁷/₈	G.	D. F. clds.; and \⌒_ throughout : rain at 18 h. 15 m.
·19	·15	⁷/₈	G.	D. F. clds.; and \⌒_ throughout.
·20	·16	⁸/₈	G.	D. F. clds.; and \⌒_ throughout : a few drops of rain.
·21	·17	⁸/₈	A.	D. F. clds. and \⌒_ throughout.
·22	·18	⁸/₈	A.	D. F. clds. and \⌒_ throughout.
·23	·19	⁶/₈	A.	D. F. clds : masses of them overhead moving slowly NE.
15· 0	·20	⁶/₈	A.	D. F. clds. scattered throughout.
· 1	·21	⁷/₈	D.	\⌒_.
· 2	·22	⁷/₈	D.	\⌒_.
· 3	·23	⁷/₈	D.	\⌒_ ; and D. F. clds.: ⌒ in the E. and SE. Hor.
· 4	15· 0	⁷/₈	D.	\⌒_, and D. F. clds. scattered throughout : ⌒ in the SE. Hor.
· 5	· 1	⁵/₈	D.	\⌒_, and F. clds. throughout : ⌒ from NE. to SE.
· 6	· 2	⁴/₈	D.	\⌒_ in E., W., N. and S ; \⌒i in the S. and about the Zth. : ⌒ from NE. to SE.
· 7	· 3	⁶/₈	D.	\⌒_ throughout.
· 8	· 4	⁷/₈	A.	F. clds. scattered ; \⌒i overhead : Zth. partly clear : lightning in the S. Hor.
· 9	. 5	⁴/₈	A.	F. clds around the Hor.
·10	· 6	⁶/₈	A.	\⌒_ scattered throughout : Zth. partly clear
·11	· 7	⁴/₈	A.	F. clds. around the Hor.
·12	· 8	⁴/₈	A.	F. clds. in the Hor.: few \⌒i in the Zth.
·13	· 9	⁶/₈	D.	\⌒_, and F clds. throughout.
·14	·10	⁵/₈	D.	D. F. clds. in the E., W., N. and S.: Zth partly cloudy.
·15	·11	⁴/₈	D.	D. F. clds. in the E., W., N. and S.: Zth. clear.
·16	·12	³/₈	D.	\⌒_ in the N. and W.; and F. clds. in the E , SE. and W Hor.
·17	·13	¹/₈	G.	⌒i in the W. Hor : and L. F. clds. in the E Hor : dew falling.
·18	·14	¹/₈	G.	F. ⌒ and \⌒ in the E. and NE.; — in the W. Hor.; and L F. clds. in the NW.
·19	·15	⁴/₈	G.	_, and L. F. ⌒ scattered in the E. and NW.
·20	·16	²/₈	G.	L. F. clds. moving, in scattered masses, from S. to NE.
·21	·17	²/₈	A.	F. clds. in the SE. and NE. Hor.: black haze in the W. Hor.
·22	·18		A.	Few F. ⌒i in the S. Hor.: haze in the remaining Hor.
·23	·19		A.	Clear.
16· 0	·20		A.	L. F. clds. in the S. Hor.
· 1	·21		G.	Clear.
· 2	·22		G.	Clear.
· 3	·23		G.	Clear.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
17· 4	17· 0	6/8	G.	⌒i all round the Hor.; and D. F. clds. moving, in scattered masses, from SW. towards NE.
· 5	· 1	5/8	G.	⌒i all round the Hor; and D. F. clds. moving in scattered masses, from SW. towards NE
· 6	· 2	6/8	G.	Huge masses of D. F. clds.; and ∿ moving from SW. to NE.
· 7	· 3	5/8	G.	D. F. clds; and ∿ all round the Hor.: Zth. perfectly clear: scud moving towards NE.
· 8	· 4	3/8	G.	L. F. clds; and ∿ scattered all round the Hor.: lightning in the N. by W.
· 9	· 5	4/8	A.	D. F. clds. around the Hor.
·10	· 6	3/8	A.	L. F. clds. scattered in the Hor.
·11	· 7		A.	L. F. clds. scattered in the W. and NW. [Hor.
·12	· 8	1/8	A.	F. clds. scattered in the Hor.
·13	· 9	4/8	D.	D. F. clds. scattered throughout.
·14	·10	6/8	D.	D. F. clds.; and ∿ scattered throughout.
·15	·11	4/8	D.	D. F. clds; and ∿ scattered in the E., W., N. and S. Hor.: Zth. clear.
·16	12	3/8	G.	F. clds. scattered in the S., E. and N.; and — in the NW. and W. Hor.
17	·13	3/8	G.	∿, and F. clds. scattered all round the Hor.
·18	.14	4/8	G.	⌒ in the W. Hor.; —, and D. F. clds. scattered all round the Hor.: scud moving from SW. to NE.
·19	·15	3/8	G.	⌒i, and D. F. ⌒ all round the Hor., except in the S.
·20	·16	4/8	G.	⌒ in the E. Hor.; and D. F. clds. scattered in the remaining part of Hor; scud from W. to NE: haze throughout.
·21	17	4/8	A.	⌒ in the Hor.; D. F. clds moving SE. Zth. clear.
·22	·18	5/8	A.	⌒i in the Hor.: D. F. ⌒i moving SE.
·23	·19	4/8	A.	⌒i in the Hor: F. ⌒ scattered around the Hor.: haze in the Zth.
18· 0	·20	4/8	A.	⌒i in the Hor.; F. ⌒i scattered in the N., NW. Hor. moving SE: haze in the Zth.
· 1	·21	6/8	D.	⌒ in Hor.; and D. F. clds. moving from W. to E.
· 2	·22	4/8	D.	⌒ in Hor; and D. F. clds. moving from W. to E.
· 3	·23	5/8	D.	⌒ in Hor.; and D. F. clds. moving from W. to E.
· 4	18· 0	6/8	D.	⌒ in the Hor.; and D. F. clds. moving from W. to E.
· 5	· 1	6/8	G.	⌒ in the Hor., all round; and D. F. clds. moving in large masses from W. to E.
· 6	· 2	6/8	G.	∿i in the E. and NE.; and D. F. clds. moving in large masses from W. to E.
· 7	· 3	4/8	G.	⌒ in the E., N. and S.; and a large mass of ∿ moving from W. to E.
· 8	· 4	4/8	G.	F. clds. scattered all round the Hor; and large masses of ∿ moving from W. to E.: lightning in E.
· 9	· 5	2/8	A.	∿i scattered in the Hor.: lightning in the S. Hor.
·10	· 6		A.	Overcast in the S. and W. Hor.
·11	· 7		A.	Overcast in the S. and W. Hor.
·12	· 8		A.	Overcast in the S., NW. and N. Hor.
·13	· 9		D.	F. clds. in the SE. Hor.
·14	·10	1/8	D.	F. clds. in the SE. Hor.: ∖i in the E. and SE.
·15	·11	4/8	D.	F. clds. scattered, moving from W. to E.
·16	·12	3/8	D.	F. clds. scattered, throughout, moving from N. to S.
·17	·13	5/8	G.	⌒ along the W. Hor; ∿i in SW., and D. F. ⌒ moving from NW. and SW. to NE.
·18	·14	6/8	G.	⌒ in the E. and S. Hor; and D. F. clds. scattered: scud moving from SW. to NE.
·19	·15	6/8	G.	⌒ in the E. and W.; ∖i in NW.; F. ⌒ in the NE. and SW.; and faint ∖i throughout.
20	·16	7/8	G.	⌒ in the E., W., NE. and SE.: a large mass of ⌒⎽ in the NE. extending towards the Zth., and haze throughout.
·21	·17	7/8	A.	⌒i in the Hor., F. ⌒i moving N. from the W.: ∖i in the Zth.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
18·22	18·18	7/8	A.	⌒i in the Hor: D. F. clds. from the W. moving to the NE., from the SW. to the SE. Hor.: ∖i overhead.
·23	·19	7/8	A.	⌒i in the Hor.: D. F. clds. from the SW. moving S.; from the W. and NW. to the E.: haze in the Zth.
19· 0	·20	3/8	A.	⌒i in the Hor.: haze in the Zth.
· 1	·21	4/8	D.	⌒ in Hor.; and F. clds. moving from W. to E.
· 2	·22	5/8	D.	⌒ in Hor; and F. clds. moving from W. to E.
· 3	·23	4/8	D.	⌒ in Hor; and F. clds moving from W. to E.
· 4	19· 0	6/8	D.	⌒ in the Hor; and masses of D. F. clds. moving from W. to E.
· 5	· 1	7/8	G.	⌒ all round the Hor.; and F. clds. in scattered masses, moving from W. to E.: haze throughout.
· 6	· 2	7/8	G.	∿ in the Hor. all round; ∨⌒ and ∖i scattered round the Zth; and a few masses of D. F. clds. moving E.
· 7	· 3	7/8	G.	Overcast with ∿i and D. F. clds.: a few breaks in the W. and NW. near the Hor.: lightning in the E.
· 8	· 4	5/9	G.	∿i and L. F. clds all round the Hor.: lightning in the N.
· 9	· 5	2/3	A.	∿i in the Hor.: lightning in the N. Hor.
·10	· 6	1/8	A.	D. F. clds. scattered in the Hor.: lightning in the N. Hor.
·11	· 7	1/8	A.	D. F. clds. scattered in the Hor: lightning in the N. Hor.
·12	· 8	6/8	A.	D. masses of F. clds: Zth partly clear: lightning in the N. by E. Hor.
·13	· 9	4/8	D.	D. masses of F. clds. throughout.
·14	·10	6/8	D.	D. masses of F. clds. throughout.
·15	·11	7/8	D.	Overcast: light rain.
·16	·12	7/8	D.	∿, and D. F. clds. scattered throughout.
·17	·13	7/8	G.	∿, and D. F. clds. scattered: scud moving NE.
·18	·14	8/8	G.	⌒ in S., W. and E. a little above the Hor.; and ∿i and F. clds scattered throughout: scud moving NE.
·19	·15	8/8	G.	⌒i in the Hor. all round; and ∿i and D. F. clds. scattered throughout: scud moving NE.
·20	·16	8/8	G.	A few ⌒ in the E., W., N. and S. Hor; and ∿i and D. F. clds. scattered throughout; scud moving NE.
·21	·17	8/8	A.	D. F. clds below, and L. F. clds. above, both moving slowly NE.
·22	·18	7/8	A.	⌒⎽ in the W. Hor.; ⌒i in the remaining Hor: ∨⌒i in the Zth. moving slowly, NE.
·23	·19	7/8	A.	⌒⎽ in the W. Hor; ⌒i in the remaining Hor: ∨⌒i in the Zth.
20· 0	·20	6/8	A.	⌒⎽ in the W. Hor; ⌒i in the remaining Hor: ∨⌒i in the Zth.
· 1	·21	7/8	D.	⌒ in the Hor.; ∨⌒ in the Zth.; and D. F. clds. moving from W. to E.
· 2	·22	7/8	D.	⌒ in the Hor.; ∨⌒ throughout: and D. F. clds. moving from W. to E.
· 3	·23	5/8	D.	⌒ in the Hor., ∨⌒ throughout; and D. F. clds moving from W. to E.
· 4	20· 0	2/8	D.	⌒ from N. to S. (by E.), ∨⌒i in the NW. and Zth; and F. clds. moving from W. to E.
· 5	· 1	3/8	G.	⌒ in the NE., E., SE. and W. Hor., and ∖ haze throughout.
· 6	· 2	4/8	G.	⌒ in W. and E. Hor; ╲▁ in the W. NW. and N. above the Hor., and haze throughout.
· 7	· 3	4/8	G.	— in the E. and NW. Hor; ⌒ a little above the E. Hor: F. ⌒i in the W. Hor: ╲▁ in NW., N. and SE.: lightning in the E.
· 8	· 4	2/8	G.	— all round the Hor; lightning in the SE.
· 9	· 5	3/8	A.	D. F. clds. scattered around the Hor.: lightning in the S. Hor.
·10	· 6	2/8	A	Overcast in the Hor.
·11	· 7	4/8	A.	D. F. ⌒i around the Hor.
·12	· 8	2/8	A.	D. F. ⌒i scattered in the Hor.
·13	· 9	5/8	D.	∿i scattered throughout.
·14	·10	3/8	D.	∿i scattered throughout.
·15	·11	4/8	D.	∿i scattered throughout: ∨⌒i in the NE., E. and SE.

MAY, 1846.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer	State of the Weather
D. H.	D. H.			
20·16	20·12	6/8	D.	╲⌒_i scattered throughout : ╲⌒i in the NE, E and SE and Zth.
·17	·13	7/8	G.	╲, and ╲⌒ from SE around the Zth ; D. F. ⌒i below from SW. in scattered masses moving NE.; and ╲⌒_ in E, S. and W.
·18	·14	7/8	G.	⌒ in the W and SE ; comoid in the N. near the Zth ; patches of ╲⌒i moving from SE to NW., and D. F. ⌒i moving from SW. to NE.
·19	·15	6/8	G.	⌒ in the E. and SW ; D F. ⌒ moving from SW. to NW : faint ╲i in the S.
·20	·16	4/8	G.	⌒ in the W , SE , E , NE. and N. Hor.; ╲⌒ in patches in S., and ╲ haze throughout.
·21	·17	6/8	A.	⌒i in the Hor.; ╲⌒i scattered in the Zth.; ╲ haze throughout.
·22	·18	3/8	A.	⌒i in the Hor.; D. F. ⌒i scattered from the NE.: ╲i in the Zth.
·23	·19	3/8	A.	⌒i in the Hor ; D F. ⌒i in the NE.: haze throughout.
21· 0	·20	4/8	A.	⌒i in the Hor ; F. ⌒i from the W. moving E : haze throughout.
· 1	·21	3/8	D.	⌒ in the Hor.: haze throughout.
· 2	·22	3/8	D.	⌒ in the Hor.: haze throughout; and F. clds. moving from W. to E.
· 3	·23	3/8	D.	⌒ in the Hor.: haze throughout; and F. clds. moving from W. to E.: ╱╲_ in SE.
· 4	21· 0	4/8	D.	⌒ and F. clds. in the E , W , N. and S. Hor.
· 5	· 1	7/8	G.	╲i, and ╲⌒i moving from SE to NW.; ⌒ in the E. Hor ; L F. ⌒ below moving from SW. to E. along the Hor.
· 6	· 2	8/8	G.	╲i, and ╲⌒i moving from SE. to NW.; D F. ⌒ below moving, in scattered masses, from SW. to NE.; and D. ⌒ in E.
· 7	· 3	8/8	G.	╲i, and ╲⌒i moving from SE to NW.; ╲⌒_ in the E ; and a few masses of D. F. ⌒ below moving from W. to E.
· 8	· 4	4/8	G.	╲⌒_i moving, in scattered masses, from SW. to NE.; — in the W.: ╲ around the Zth.: lightning in the SE.
· 9	· 5	4/8	A.	╲⌒_i around the Hor.
·10	· 6	4/8	A.	╲⌒_i around the Hor.
·11	· 7	5/8	A.	D. F. ⌒i, and ╲⌒_i scattered : Zth. partly clear : lightning in the NE. Hor. at 11h 14m.
·12	· 8	6/8	A.	D. F. clds in the Hor.; ╲⌒_i scattered : Zth partly clear : lightning in the NE. Hor.
·13	· 9	1/8	D.	╲⌒_i in the NE., N., NW., W. and SW.
·14	·10	2/8	D.	╲⌒_ in the E., W., N. and S.
·15	·11		D.	╲⌒_ in the E., W., N. and S.
·16	·12	2/8	D.	F. clds. in the SE. Hor.
·17	·13	3/8	G.	D. F. ⌒ below moving, in scattered masses, from SW. to NE ; and faint ╲i in W : ⌒ in the E. Hor.
·18	·14	4/8	G.	⌒ in the E. Hor ; and D. F ⌒i moving below from SW. to NE : haze throughout.
·19	·15	6/8	G.	⌒ all round the Hor.; L. F. ⌒i moving from SW to NE. below ; and faint ╲ : ╲⌒ scattered throughout, (above) from SE. to NW.
·20	·16	7/8	G.	A large mass of ╲⌒_ in the N. moving towards the NE.; L. F. ⌒i moving from SW. to NE. below : ╲i and ╲⌒i above.
·21	·17	7/8	A.	D. F. clds. in the Hor : ╲i in the Zth.
·22	·18	7/8	A.	D F. clds. in the Hor ; F. clds. in the N.: ╲i throughout.
·23	·19	5/8	A.	F. clds scattered in the Hor., but clear in the W. Hor : very rare ╲i almost like haze in the Zth.
22· 0	·20	5/8	A.	L. F. clds in the Hor except the W.: very rare ╲i in the Zth.
· 1	·21	1/8	D.	╲⌒ in the NE. and SE.: ╲ haze throughout.
· 2	·22	1/8	D.	╲⌒ in the SE : ⌒ in the E. and SE Hor.
· 3	·23	1/8	D.	⌒ F. clds. in the E. and SE. Hor.
22· 4	22· 0	2/8	D.	⌒ from NE. to SE.; and F. clds. from E. Hor. to Zth.
· 5	· 1	6/8	G.	⌒ in the SE. Hor.: ╲i and ╲⌒i moving from SE. to NW. ; and F. ⌒ from W. to NE.
· 6	· 2	7/8	G.	Large masses of D. F ⌒i moving from W. to E.; and ╲i and ╲⌒i scattered above.
· 7	· 3	7/8	G.	╲⌒_i moving from W. to E., below ; and ╲i and ╲⌒i moving from SE. to NW. above : lightning in the SE.
· 8	· 4	3/8	G.	Overcast all round the Hor.: lightning in the E. at intervals of 15m.
· 9	· 5	4/8	A.	D. F. clds. scattered around the Hor.: D. F. ⌒i in the Zth. moving slowly E.
·10	· 6	4/8	A.	D. F. clds. scattered around the Hor.: Zth. almost clear.
·11	· 7	4/8	A.	D. F. ⌒i around the Hor.
·12	· 8	6/8	A.	D. F. clds. scattered : Zth. partly clear.
·13	· 9	3/8	D.	╲⌒_ in the E., W., N. and S.
·14	·10	2/8	D.	╲⌒_ in the E., W., N. and S.
·15	·11	2/8	D.	╲⌒_ in the E., W., N. and S.
·16	·12	2/8	D.	╲⌒_ in the E., W., N. and S.
·17	·13	4/8	G.	╲⌒_ in the E.; — in the W.; D. F. ⌒i moving from SW. to NW., below ; and ╲i and ╲⌒i moving from SE. to NW.
.18	·14	5/8	G.	╲_ in the NE.; ╲i in the W., N. and NE.; F. ⌒ moving below from SW. to NE , and ╲⌒_i in the E. above the Hor.
·19	·15	7/8	G.	╲⌒_ in the E.; ╲i and ╲⌒ in patches moving from SE. to NW.; and haze throughout.
·20	·16	7/8	G.	⌒i extending from SE. to N.; and ╲⌒i moving from SE. to NW.; ╲_ in the by N.; and haze throughout.
·21	·17	6/8	A.	⌒i extending from the N. to the S. Hor. (by E). ╲⌒i overhead ; and L. F. clds. in the W. Hor.
·22	·18	4/8	A.	L. F. clds. extending from the N. to the S Hor. (by E.): F. clds. in the W. Hor.: haze overhead.
·23	·19	1/8	A.	L. F clds. scattered in the Hor.: haze throughout.
23· 0	·20	1/8	A.	L. F. clds. scattered in the Hor., except the W. in which ╲_ is seen ; haze throughout.
· 1	.21	1/8	D.	⌒ from NE. to SE.
· 2	·22	3/8	D.	⌒ in the Hor ; F. clds. moving from W. to E.
· 3	·23	5/8	D.	⌒ in the Hor.; F. clds. moving from W. to E.: ╲⌒_ in the E. and SE.
24· 4	24· 0	8/8	G.	L. F. ⌒i moving from SW. to NE , below, and clear above.
· 5	· 1	4/8	G.	L. F. ⌒ moving, in scattered masses, from SW. to NE.
· 6	· 2	5/8	G.	Large masses of D. F. ⌒i moving from SW. to NE. below ; and haze above.
· 7	· 3	6/8	G.	╲⌒_i moving, in scattered masses, from W. to E.
· 8	· 4	5/8	G.	╲⌒_i scattered : scud moving from W. to E. and NE.: lightning in the E.
· 8	5	4/8	A.	╲⌒_i scattered ; Zth. almost clear.
·10	· 6	3/8	A.	D. F. clds. scattered in the Hor.: ╲⌒_i in the N.
·11	· 7	3/8	A.	D. F. clds. scattered in the Hor.
·12	· 8	4/8	A.	D. F. clds. scattered in the Hor.: a large mass of D. F. clds. moving from the SW. to the S.
·13	· 9	2/8	D.	F. clds. scattered, moving from W. to E..
·14	·10	3/8	D.	╲⌒_ scattered, moving from W. to E.
·15	·11	3/8	D.	╲⌒_ scattered, moving from W. to E
·16	·12	3/8	D.	╲⌒_ scattered.
·17	·13	6/8	G.	╲⌒_i all round the Hor except the SW ; ╲_i, ╲⌒i and ╲i scattered : scud moving from SE to NW.
·18	·14	8/8	G.	⌒ in the W., S. and SE.; ╲⌒_ in N. and E.; and ╲_i, ╲i, and ╲⌒i scattered : scud moving from SE. to NW.
.19	·15	0/8	G.	D. F. ⌒i round the Hor. except the S. and SW. moving towards NE.; and ╲i and ╲⌒i moving from SE to NW.
·20	·16	7/8	G.	╲⌒_i extending from SE. to N. by W.; L F. clds. moving from W. to E.; and L. ╲i throughout.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky	Observer.	State of the Weather.
D. H.	D. H.			
24·21	24·17	8/8	A.	D. F. clds. in the Hor ; D. F. ⌒i moving F. from the SW. Hor.; ╲_i and ╲i throughout.
·22	·18	7/8	A.	F. clds. in the Hor ; a large mass of D. F. clds. in the NE : ╲_i and ╲i scattered.
·23	·19	7/8	A.	F. clds. in the Hor.; ╲_ and ╲i scattered : a solar halo 12° diameter
25· 0	.20	8/8	A.	F. clds. in the Hor ; ╲_ and ╲i above ; L. F, ⌒i below, moving NE.: a solar halo.
· 1	·21	7/8	D.	╲i and ╲_i scattered throughout ; and F. clds. below : a halo around the sun.
· 2	.22	7/8	D.	╲i and ╲_i scattered throughout ; and F. clds. below : a halo around the sun.
· 3	·23	7/8	D.	╲i and ╲_i scattered throughout ; and F. clds. below : a halo around the sun.
· 4	25· 0	7/8	D.	╲i and ╲_i scattered throughout ; and F. clds. moving from W. to E.
· 5	· 1	7/8	G.	⌒ in the SW., SE. and E. a little above the Hor ; D. F. ⌒ below, and ╲i above, the former moving from W. to E. and the latter from SE. to NW.: ⌒ in Hor.
· 6	· 2	5/8	G.	F. ⌒ moving, in scattered masses, from W. to E. below ; and a few ╲i and ╲_i in the W. above.
· 7	· 3	6/8	G.	∿i moving, in scattered masses, from W. to E.
· 8	. 4	3/8	G.	∿i moving along the Hor , from W. to E.; and a few ╲_i : lightning NE. of Zth.
· 9	· 5	8/8	A.	∿ in the Hor.
·10	· 6	3/8	A.	∿ in the Hor : a large mass of D. F. clds. moving E. from the W.
·11	· 7	2/8	A.	D. F. clds. scattered in the Hor.
·12	· 8	2/8	A.	D. F. clds. scattered in the Hor.
·13	· 9	3/8	D.	∿ in the E., W., N., S. and Zth.
·14	·10	1/8	D.	∿ in the E., W., N.: Zth. clear.
·15	·11	1/8	D.	∿ in the NE., NW. and SE.
·16	·12	3/8	D.	∿ in the E., W., N. and S.
·17	·13	6/8	G.	∿ moving, below, from W. to E.; and ╲i and ╲_i scattered above.
·18	·14	7/8	G.	∿ all round the Hor.: D. ╲i and ∿i moving from S. to N.; and a few F. ⌒ from NW. to E below.
·19	·15	3/8	G.	∿ moving from SW. to NE., below; and ╲i above : a few ⌒i in the SE. and E. Hor.
·20	·16	8/8	G.	⌒i extending from S by E. to N. by E : ╲i and ∿i scattered throughout : scud moving from S to N.
·21	·17	8/8	A.	⌒i in the Hor.; ╲_i and ╲i throughout : an imperfect solar halo.
·22	·18	8/8	A.	D. F ⌒i in the Hor.: masses of D. F. clds. moving E. from all directions : ╲_i and ╲i above.
·23	·19	7/8	A.	D. F. clds. in the Hor.; D. F. ⌒i moving NE. from the W., NW. and SW : ╲i above.
26· 0	·20	8/8	A.	∿ in the S. Hor ; ⌒i in the remaining Hor.: F. ⌒i from the NW. and S. moving NE : ╲i in the Zth.
· 1	·21	8/8	D.	⌒i in the Hor.: ╲i and ╲_i scattered ; and F. clds. moving from SW. to NE.
· 2	·22	7/8	D.	⌒i in the Hor.: ╲i and ╲_i scattered ; and F. clds. moving from SW to NE.
· 3	·23	7/8	D.	⌒i in the Hor.: ╲i and ╲_i scattered ; and F. clds. moving from SW. to NE
· 4	26· 0	7/8	D.	⌒ in the Hor.; ╲i and ╲_i scattered ; and F. clds. moving from SW. to NE
· 5	· 1	7/8	G.	⌒ in the W , N. and E Hor.; F. ⌒ moving from SW. to NE., below ; and ╲i scattered above.
· 6	· 2	7/8	G.	Large masses of F. ⌒i moving from SW to E , below ; and ╲_i and ╲i scattered above.
· 7	· 3	7/8	G.	Large masses of F. ⌒i moving from SW. to NE., below ; and ╲_i and ╲i scattered above : ∿ all round the Hor.
· 8	· 4	3/8	G.	∿i moving, in large masses, from W. to E.
· 9	· 5	2/8	A.	∿i scattered in the Hor.
·10	· 6	4/8	A.	D. F. clds. scattered in the Hor : ∿i moving from the SW. to the N.
·11	· 7	3/8	A.	Detached clds. in the Hor.
26·12	26· 8	3/8	A.	∿i scattered.
·13	· 9	5/8	D.	∿ scattered throughout, moving NE.
·14	·10	2/8	D.	∿ scattered throughout, moving NE.; Zth. clear.
·15	·11	1/8	D.	∿ in the W., NW and NE. moving NE.: Zth. clear.
·16	·12		D.	Clear.
·17	·13	7/8	G.	D. F. ⌒ moving from W. to E., below ; and ╲i and ╲_i scattered, above.
·18	·14	6/8	G.	∿i moving, in large masses, from W. to NE. (below) ; and ╲i and ╲_i scattered above.
·19	·15	7/8	G.	⌒i all round the Hor : F. ⌒ moving from W. to E , below ; and ╲i, ╲_i and ∿i moving from SE. to N.
·20	·16	7/8	G.	⌒i all round the Hor.: F. ⌒ moving from W. to E , (below) ; and ╲i, ╲_i and ∿i moving from SE. to N.
·21	·17	8/8	A.	⌒ in the Hor ; huge masses of D. F. clds. moving from all quarters to the NE. (below) : ╲i above scattered.
·22	·18	7/8	A.	⌒i scattered in the Hor.; ╲_ and ╲i : W and N. clear in part.
·23	·19	6/8	A.	⌒i scattered in the Hor.: ╲_i and ╲i.
27· 0	·20	5/8	A.	⌒i scattered in the Hor : ╲_i and ╲i.
· 1	·21	4/8	D.	⌒ from N. to S. (by E): ╲ in the E., W , N. and S.: Zth. clear.
· 2	·22	2/8	D.	⌒ in the NE. and SE.: ╲i and ╲_i in the NE., E , SE. and NW.; and L. F. clds. moving from SW. to NE.
· 3	·23	5/8	D.	⌒ in the Hor.; ╲_i in the E and SE.; ╲i in the S., SW. and W ; and F. clds. moving from SW to NE.
· 4	27· 0	6/8	D.	⌒ in the Hor ; ╲i in the NE. and SE ; and D. F. clds. moving from SW. to NE.
· 5	· 1	6/8	G.	⌒ in the Hor. all round : in the NE., SE., N and NW ; and D F. ⌒ moving from SW. to NE.
· 6	· 2	6/8	G.	⌒ in the SE. and E. Hor ; ╲i in the NE. and S ; ∿i (below) ; and L. F. ⌒i, above, both moving from SW. to NE.
· 7	. 3	4/8	G.	∿ in the W. Hor ; ╲i in the E. and N. above the Hor ; and D. F. ⌒ moving from SW. to NE.
· 8	· 4	2/8	G.	∿i in the Hor all round : scud moving from SW to NE.
· 9	· 5	2/8	A.	∿i scattered in the Hor.
·10	· 6	6/8	A.	∿i scattered in the Hor ; a huge mass of ∿ extending from the N. to the S. across the Zth.
·11	· 7	1/8	A.	Overcast in the Hor.
·12	· 8	2/8	A.	∿i scattered in the Hor.
·13	· 9	4/8	D.	∿ in the E , W., N. and S.
·14	·10	5/8	D.	∿ scattered, moving from SW to NE.
·15	·11	1/8	D.	∿ in the E., W. and N.
·16	·12	2/8	D.	∿ in the E , W., N. and S.
·17	·13	4/8	G.	∿ in the W., N. and E ; and D. F. ⌒i moving from SW to NE.
·18	·14	4/8	G.	F. ⌒ moving from SW. to NE. below ; and ╲i and ╲_i scattered in the S. and SE , above.
·19	·15	6/8	G.	⌒i in the Hor. all round ; F clds. moving from SW. to NE., below ; and haze above.
·20	·16	3/8	G.	⌒_ extending from SE. to N ; F. ⌒i moving from SW. to NE. ; and ╲i in the S.
·21	·17	3/8	A.	D. F clds. around the Hor : haze in the Zth.. few F ⌒i moving from the S. to the NE
·22	·18	6/8	A.	D. F clds. around the Hor : masses of D F. clds. moving NE. from the W , SW., and N.
·23	·19	3/8	A.	D F clds. extending from the N to the S Hor (by E) masses of D F. clds. moving NE. from S. and SW.
28· 0	·20	6/8	A.	D. F clds extending, from the N. to S. by W. Hor. (by E : F. ⌒i moving NE : haze in the Zth.
· 1	·21	4/8	D.	⌒ from N. to S (by E) , and F. clds. moving from SW to NE.
· 2	·22	3/8	D.	⌒ from N. to S. (by E) ; and F. clds. moving from SW. to NE
· 3	·23	4/8	D.	⌒ from N to S. (by E) ; and F. clds. moving from SW to NE : ╲i in NW , N , NE , E , SE. and S.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
28· 4	28· 0	4/8	D.	⌒ from N. to S. (by E.): F. clds. moving from SW. to NE.: \i in NW. and N.
· 5	· 1	6/8	G.	⌒i in Hor.; large masses of F. clds. moving from SW. to NE.: \i in SW., W., NW. and NE.
· 6	· 2	5/8	G.	Detached masses F. ⌒i moving from SW. to NE.; and \ haze throughout.
. 7	· 3	4/8	G.	∿ in the W. Hor.; F. ⌒ moving from SW. to NE.; — in E. Hor.; \i in NW., S., W. and NE. above the Hor.
· 8	· 4	1/8	G.	L. F. ⌒i in the W., NW. and E.
· 9	· 5	2/8	A.	∿ scattered around the Hor.
·10	· 6	2/8	A.	∿ scattered around the Hor.
·11	· 7	3/8	A.	∿ scattered around the Hor.
·12	· 8	3/8	A.	∿ scattered around the Hor.: masses of ∿ from the W. moving NE.
·13	· 9	5/8	D.	∿i scattered, moving NE.
·14	·10	2/8	D.	∿i in the NW., W., SE., E., NE. and N. Hor.
·15	·11	2/8	D.	∿i in the E., W., N. and S.
·16	·12	2/8	D.	∿i in the E., W., N. and S.
·17	·13	3/8	G.	∿i in the Hor.; and \i, ⌞i in the S., SE., E. and NW.
·18	·14	7/8	G.	⌒⎽ in the W., SE., and N along the Hor.; F. ⌒ moving from SW. to NE.; and \i, ⌞i scattered throughout.
·19	·15	6/8	G.	⌒⎽ in the E.; ⌒i in the SE., W. and N.; and \i, ⌞i in SE., S., NW. and N.: Zth. clear.
·20	·16	6/8	G.	⌒i in the Hor.; F. ⌒i moving from SW. to NE.; and faint \i throughout.
.21	·17	7/8	A.	D F. ⌒i around the Hor.: ⌞ and \i throughout.
·22	·18	6/8	A.	D. F. ⌒i extending from the N. to the S. (by E.); D. F. clds. from the N. and S. to the E.; ⌞ in the W. Hor: haze in Zth.
·23	·19	4/8	A.	D. F. ⌒i extending from the N. to the S (by E.): F. ⌒i moving NE.; ⌞ in the W. Hor.: haze in the Zth.
29· 0	·20	4/8	A.	D. F. ⌒i extending from N. to S. Hor. (by E); F. ⌒i moving NE.; ⌞ in the W. Hor.: haze in Zth.
· 1	·21	4/3	D.	⌒ from N. to S. (by E.): F. clds. moving from SW. to NE.
· 2	.22	2/8	D	⌒ from N. to S. (by E.): F. clds. moving from SW. to NE: \i in NW. and W.
· 3	·23	2/8	D.	⌒ from N. to S. (by E.): F. clds. moving from SW. to NE.: \i in NW.
· 4	29. 0	3/8	D.	⌒ in the Hor; and F. clds. moving from SW. to NE.
· 5	· 1	3/8	G.	⌒ in the Hor.; and F. clds. moving from SW. to NE.
· 6	· 2	4/8	G.	F. ⌒ moving, in scattered masses, from SW. to NE.
· 7	· 3	6/8	G.	∿ in the Hor: F. ⌒i moving. in scattered masses, from SW. to NE. below; and \i in NW. above.
· 8	· 4	5/8	G.	⌒⎽ in W. by S.; and F. ⌒i in huge masses moving from SW to NE.
· 9	· 5	2/8	A.	D. F. clds. scattered in the Hor.
·10	· 6	3/8	A.	D. F. clds. scattered in the Hor.: a large mass of D. F. clds. like ∿ extending from the W. to the SW.
·11	· 7	3/8	A.	D. F. clds scattered in the Hor.: a large mass of D. F. clds. like ∿ in the W. moving Ed.
·12	· 8	3/8	A.	D F. clds. scattered in the Hor: a large mass of D. F. clds. like ∿ in the E.
·13	· 9	8/8	D.	∿ in the E., W., N. and S.
·14	·10	7/8	D.	∿ in the E., W., N. and S.
·15	·11		D.	∿ in SE. and Zth.
·16	·12		D.	∿ in the NE. and SE. Hor.
·17	·13	6/8	G.	∿i moving from SW. to N.; and \i in the N.
·18	·14	6/8	G.	⌒ in the Hor.; and F. ⌒ moving from SW. to NE.
·19	·15	6/9	G.	⌒ in the Hor; and D. F. ⌒ moving from SW. to NE. below; and haze throughout.
·20	·16	6/8	G·	⌒ in the Hor. except SW.; and D. F. ⌒ moving from SW. to NE. below: haze above.
29·21	29·17	6/8	A.	D. F. clds. around the Hor.: large masses of D. F. clds. moving E. from all directions
·22	·18	6/8	A.	D. F. clds around the Hor.: D. F. ⌒i scattered moving E.
·23	·19	6/8	A.	D. F clds. around the Hor.: D. F clds. scattered moving from all quarters.
30· 0	·20	4/8	A.	D. F. clds. around the Hor.: D. F. clds. in the W.
· 1	·21	2/8	D.	⌒ from N. to S. (by E.); and F. clds. moving from W. to E.: \i in NW.
· 2	·22	3/8	D.	⌒ from N. to S. (by E.); and F. clds. moving from W. to E: \i in NW.
· 3	·23	4/8	D.	⌒ from N. to S. (by E.); and F. clds. moving from W. to E: \i in NW. and N.
· 4	30· 0	5/8	D.	⌒ in the Hor.; and F. clds. moving from W. to E.: \i in the N.
· 5	· 1	6/8	G.	⌒ in the N. Hor.; and F. ⌒ from SW. to NE.
· 6	· 2	5/8	G.	D. F. ⌒ moving from SW. to NE.; and ⌞i, \i in the W. and N.
· 7	· 3	4/8	G.	F. ⌒ and ∿i moving from SW to NE.
· 3	· 4	3/8	G.	L. F. ⌒i moving from SW. to NE.
· 9	· 5	6/8	A.	D. F. clds. around the Hor.; large masses of D. clds. moving E. from the W.
·10	· 6	2/8	A.	Detached D. F. clds.: Zth. clear.
·11	· 7	3/3	A.	∿i scattered: Zth. clear.
·12	· 8	2/8	A.	∿i scattered in the Hor.
·13	· 9	2/8	D.	∿ in the E., W., N. and S.
·14	·10	2/8	D.	∿ in the E., W, N. and S.: Zth. clear.
·15	·11	2/8	D.	∿ in the N., E., S. and Zth.: W. clear.
·16	·12	2/9	D.	∿ in the N., S. and E.: a meteor in the NE. flashed towards the Hor.
·17	·13	5/8	G.	∿ in the E.; and D. F. ⌒ moving from SW. to NE.
·18	·14	6/8	G.	⌒ in SE. and W. Hor.; ∿i moving from SW. to NE., below; and ⌞i in the W, above the Hor.
·19	·15	6/8	G.	⌒ in SW., E., NE. and N.; ∿i, \i scattered; and F. ⌒ moving from W. to E.
·20	·16	7/8	G.	⌒ in the E, SE., NE. and N.: F. ⌒i and ∿i moving from W. to E; and haze throughout.
·21	·17	7/8	A.	⌒i in the Hor. except the W.; ∨⌒i extended from the W. to the Zth.: a huge mass of D. F. clds. in the Zth. moving NE.
·22	·18	3/8	A.	⌒i in the Hor.; D. F. ⌒i moving from N. to E.; ∨⌒i in NW.
·23	·19	2/8	A.	⌒i in the Hor.
31st · 0	·20	2/8	A.	⌒i in the Hor.: D. F. ⌒i in the NE.
· 1	·21	7/8	D.	⌒ in the Hor.: F. clds. in the SW., W. and NW.
· 2	·22	2/3	D.	⌒ in the Hor.; and ∨⌒i in the S., SW. and W.
· 3	·23	3/9	D.	⌒ in the Hor; and ∨⌒i in the S, SW. and W: F. clds. from NW. and SE. moving NE.

JUNE, 1846.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
1· 4	1· 0	4/8	G.	∿i in the E. Hor; ⌒i a little above the Hor. (all round); and D. \i and ∨⌒i extending towards the Zth.
· 5	· 1	6/8	G.	∿i in the E. Hor.; ⌒ a little above the Hor. (all round); and D \i and ∨⌒i extending towards the Zth.: a F. ⌒ from SW. to NE.
· 6	· 2		G.	∿i in the E. Hor.; ⌒ a little above the Hor. (all round); D. \i, ∨⌒ moving from SE. to NW. above; and D. F. ⌒ moving from SW. to NE, below.
· 7	· 3	7/8	G.	Overcast: scud moving from S. to N.: lightning in the SE.: a rainbow observed in the N. at 6h. 24m.
· 8	· 4	7/9	A.	⌒⎽ in the W. extending towards the Zth; ∿ in the S. and SE.; ⌒ in the Hor.; and ∿i in the S. by W. and NW.: scud moving N. from SW.

JUNE, 1846.

Bombay. Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
1· 9	1· 5	4/8	A.	⌒i in the Hor.; L F. clds. in the W. moving NE.: a shower of rain at 8h. 22m. lasted 3 minutes.
·10	· 6	6/8	A.	⌒i in the Hor: a huge mass of D. F. clds. almost \⌒_ strectched from S. Hor. to Zth.
·11	· 7	6/8	A.	⌒i in the Hor.; \⌒_i and \i scattered: Zth. partly clear.
·12	· 8	6/8	A.	\⌒_ in the Hor.: \⌒_i in S. and SW. moving NE.: a flash of lightning in the S. Hor.
·13	· 9	4/8	D.	\⌒_i in the E., W., N. and S.
·14	·10	3/8	D.	\⌒_i in the E., W., N. and S.
·15	·11	5/8	D.	\⌒_i in the E., W., N., S. and Zth.: lightning in the NE. and SW., in continued flashes.
·16	·12	5/8	D.	\⌒_i in the E., W., N., S. and Zth.: rain at 16h. 14m.
·17	·13	6/8	G.	\⌒_i scattered in the E., S., N.; ⌒ in the W.; and L. F. clds. moving from SW. to NW.
·18	·14	7/8	G.	\⌒_ scattered; and ⌒ in the W. and SE. Hor.: raining lightly: scud moving from SW. to N.
·19	·15	8/8	G.	\⌒_ scattered; and ⌒ in the W.: raining heavily: scud moving from SW. to N.
·20	·16	6/8	G.	⌒ in the Hor.; \i in S. and W. near the Zth.; \⌒_ in S. and N. near Hor; and D. F. ⌒i moving from S. to N.
·21	·17	7/8	A.	⌒ in the Hor.; huge masses of D. F. clds. and \⌒_ overhead moving NE.: drizzling rain: Zth. clear.
·22	·18	4/8	A.	⌒_, and ⌒ extended about 41° above the Hor., stretching from the N. to the S. by W: ⌒ in W. Hor.
·23	·19	6/8	A.	⌒i around the Hor: Zth partly clear: peals of thunder in the NE. and E. at 22h. 20m.
2· 0	·20	5/8	A.	\⌒_ in the N. and S.; electrical clds. or ⌒_ in the NE. and E Hor.: ⌒i in the remaining Hor.
· 1	·21	5/8	D.	⌒_, and ⌒ in the Hor; F. clds. moving from SW. to NE: \⌒ in SW. and W: \i in N. of Zth; and _ in SE. and S.
· 2	·22	5/8	D.	⌒_, and ⌒ in the Hor.: F. clds. moving from SW. to NE.: \i in N; and _ in S. and SE.
· 3	.23	6/8	D.	⌒_, and ⌒ in the Hor.; F. clds. moving from SW. to NE.: \i, and _i in SW. and NW.
· 4	2· 0	7/8	D.	⌒_, and ⌒ in the Hor.; F. clds. and \⌒_ moving from SW. to NE: \i and _i in S., SW. and W.
· 5	· 1	7/8	G.	⌒_, and ⌒ in the Hor: F. clds. and \⌒_ in the N.: scud moving from SW. to NE,; and D. \i, \⌒i near the Zth.
· 6	· 2	8/8	G.	⌒_, and ⌒ in the Hor.: \⌒_i, \i, and \⌒i scattered; and F. ⌒ moving from SW. to NE.
· 7	· 3	8/8	G.	⌒_, \⌒_, and ⌒ in the Hor; F. ⌒i moving from SW. to NE.; and D. \i, _i, and \⌒i scattered throughout.
· 8	· 4	8/8	G.	⌒_, \⌒_, and ⌒ all round extending towards the Zth, L F. ⌒i moving from SW. to NE; and \i, _i scattered throughout: lightning in the SW.
· 9	· 5	8/8	A.	D. F. ⌒i extending from the N. to the S. (by E): _i and \i throughout: a lunar halo forming: lightning in the S. by W. Hor.
·10	· 6	8/8	A.	D. F. ⌒i extending from the N. to the S. (by E.): _i, and \i throughout.
·11	· 7	7/8	A.	D F. ⌒i in the Hor.: detached D. F. clds. moving NE.
·12	· 8	6/8	A.	D. F. clds, and \⌒_: Zth. partly clear.
·13	· 9	8/8	D.	\⌒_i: raining.
·14	·10	7/8	D.	\⌒_i.
.15	·11	5/8	D.	\⌒_i scattered throughout: raining lightly.
·16	·12	5/8	D.	\⌒_i scattered throughout
·17	·13	7/8	G.	\⌒_i in the E, N., W. and S; \i in NE, and D. black F. ⌒ moving from SW. to NE. lightning and thunder in the SW.
·18	·14	7/8	G.	⌒, and \⌒_ in the Hor; \⌒i moving from SE. to NW, above, and D. F. ⌒i from SW to NE, below: raining; a rain-bow in W
2·19	2·15	7/8	G.	⌒_, and ⌒ in the Hor; upper current of \⌒i from SE. to NW.; and lower current, of F. ⌒ from SW. to NE.
·20	·16	7/8	G.	⌒_, and ⌒ in the Hor.; upper current of \⌒i from SE. to NW.; and lower current of F. ⌒ from SW. to NE.
·21	·17	4/8	A.	⌒_, and ⌒i in the Hor.: D F. ⌒i moving NE.; haze in the Zth.
·22	·18	4/8	A.	⌒_, and ⌒i in the Hor: haze in the Zth.
·23	.19	4/8	A.	⌒_, and ⌒i in the Hor.: haze in the Zth.
3· 0	·20	4/8	A.	⌒_, and ⌒i in the Hor.: haze in Zth: _ around the Hor.
· 1	·21	3/8	D.	⌒, and ⌒_ in the Hor.; _i, and \i in the SE., S., SW. and NW.: L. F. clds. in the N. moving towards NE.
· 2	·22	3/8	D.	⌒, and ⌒_ in the Hor.: _i, and \i in the SE., S., SW. and NW.
· 3	·23	4/8	D.	⌒, and ⌒_ in the Hor: _i, and \i in the NE, E., SE, S., SW. and NW.: F. clds. moving from SW. to NE.: and \⌒_ in E. and SE. Hor.
· 4	3· 0	5/8	D.	⌒_, and ⌒ in the Hor.; \i, and _i in the E, SE., S. and SW., and F. clds. moving from SW. to NE.
· 5	· 1	6/8	G.	⌒_, and ⌒ in the Hor.; \i, and _i moving from SE to N, above; and F ⌒i moving from SW. to NE., below.
· 6	· 2	6/8	G.	⌒_, and ⌒ in the Hor.; \i and _i scattered in the S. and Zth. above: and F. ⌒ moving from SW. to NE. below.
· 7	· 3	7/8	G.	\⌒_ in the W.; ⌒i in the E. Hor.: _i scattered above; and F. ⌒i moving from SW. to NE.
· 8	· 4	7/8	G.	⌒, and ⌒_ in the Hor.; D. F. ⌒i moving from SW. to NE.: lightning in the NE. at 7h. 51m.
· 9	· 5	4/8	A.	D. F. ⌒i, and ⌒_ around the Hor.: scud moving N
·10	· 6	7/8	A.	\⌒_, and D. F. clds.: a few breaks in the W.: drizzling rain.
·11	· 7	8/8	A.	\⌒_, and D. F. clds.
·12	· 8	7/8	A.	\⌒_; huge masses of D. F. clds. almost \⌒_i moving NE: lightning in the S. by E. Hor.
·13	· 9	3/8	D.	\⌒_ in the Hor.
·14	·10	2/8	D.	\⌒_ in the Hor.
·15	·11	1/8	D.	\⌒_. from NW. to SE. (by W.) Hor.
·16	·12		D.	F clds in the SE. Hor.; and _i in the E. and SE. Hor.
·17	·13	7/8	G.	⌒_, and ⌒ in the W. Hor.; _i, and \i moving N. from S., above; and F. ⌒i moving from SW. to NE.
·18	·14	8/8	G.	\⌒_ in the W. and W. by N.; D. \⌒i, \i, and _ moving from S to N, above, and F. ⌒i moving from SW. to NE, below.
.19	·15	8/8	G.	\⌒_, and D. F. ⌒i throughout: scud moving from SW. to NE.
·20	·16	7/8	G.	⌒_, and \⌒. in the W. Hor; ⌒ in the E. and SE; and D. \i, \⌒i and _i moving from S to N; a few F. ⌒ moving from W. to E.
·21	·17	7/8	A.	D. ⌒i in the Hor.; D. F. ⌒i almost \⌒i moving E.
·22	.18	7/8	A.	D. ⌒i in the Hor: D F. clds. moving NW. and N. from the S. and Zth.
·23	·19	7/8	A.	⌒_, and ⌒ in the Hor; F ⌒i below in the Zth moving E; _i, and \i above moving E.
4· 0	·20	8/8	A.	⌒_, and ⌒i in the Hor; F. ⌒i below moving E. from the N. and SW: _ and \i above.
· 1	·21	8/8	D.	⌒ in the Hor.; and \i and _i, scattered throughout.
· 2	·22	7/8	D.	⌒ in the Hor; and \i, and _i scattered throughout; L. F. clds. moving from W. to E; and D. F. clds. in NW. and SE. Hor.
· 3	·23	7/8	D.	⌒, and ⌒_ under \⌒_ from N. to S. (by E); \i, and _i in the E, W., N., S and Zth.; F clds. moving from E. to W. in the upper, and that in the lower current from W. to E.

JUNE, 1846.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
4· 4	4· 0	6/8	D.	⌒ under ∨⌒_i from N. to S. (by E.); ∖i and ∖_i in the E., W., N. and S.: Z.h. clear.
· 5	· 1	6/8	G.	⌒, and ⌒_ in the E. Hor.; and D. ∖i and ∨⌒i scattered : scud moving from W. by S. to E. by N.
· 6	· 2	7/8	G.	⌒ in the E. Hor ; D ∖i. and ∨⌒ moving from S. to NW , above ; and F. ⌒∖i moving from W. to NE., below.
· 7	· 3	7/8	G.	∨⌒_ in the E. Hor.; D. ∖i and ∨⌒i moving from S. to N., above ; and D. F. ⌒∖i moving from SW. to NE., below : an imperfect halo round the ☽.
· 8	· 4	7/8	G.	∨⌒_ in the E. Hor.; D. ∖i and ∨⌒ moving S. to N., above ; and D. F. ⌒∖i moving from SW. to NE., below : lightning in the E.
· 9	· 5	8/8	A.	⌒∖i in the Hor.; three strata of clds. 1st D. F. ⌒∖i, 2nd L. F. ⌒∖i moving W. 3rd or uppermost ∖_ : a lunar halo.
·10	· 6	7/8	A.	D. ⌒∖i in the Hor.; D. F. ⌒∖i moving from the N. and SW. to E. and SE.; ∖_ overhead : a faint lunar halo : lightning in the S. Hor.
·11	· 7	8/8	A.	∨⌒_ in the Hor.; D. F. clds. almost ∨⌒_ moving to and fro ; ∖_, and ∖i throughout : lightning in the S. and E. Hor.
·12	· 8	8/8	A.	∨⌒_ in the Hor ; D. F. clds. scattered below moving SE ; ∖_, and ∖i throughout : lightning in the S. Hor.
·13	· 9	7/8	D.	∨⌒_i throughout ; F. clds. scattered below : ∖i, and ∖_i throughout.
·14	·10	5/8	D.	∨⌒_i throughout : ∖i, and ∖_i scattered.
·15	·11	5/8	D.	∨⌒_i throughout : ∖i, and ∖_i scattered.
·16	·12	5/8	D.	∨⌒_ in E., W., N. and S., and that near the Zth. moving from SW. to NE.: ∖i, and ⌒_i scattered above.
·17	·13	7/8	G.	∨⌒_ in E., W., N. and S., and that near the Zth. moving from SW. to NE.: ∨⌒ from S. to N.
·18	·14	8/8	G.	∨⌒_ in the E., N. and S.; ⌒_ in SW. and W. by S ; F. ⌒∖i below ; and ∖i, ∨⌒i above, both moving from SW. to NE.
·19	·15	8/8	G.	∨⌒_ scattered : scud moving from SW. to NE : a few ∖i, and ∨⌒i above in the NW. moving towards S.
·20	·16	8/8	G.	⌒_ in the W. and N. extending towards Zth.: ∨⌒_ scattered : scud moving from SW. NE.
·21	·17	8/8	A.	⌒_, and ⌒ in the Hor.; two strata 1st D. F. clds , 2nd L. F. clds. both moving E : a solar halo.
·22	·18	8/8	A.	⌒∖i scattered in the Hor : masses of D. F. clds below moving S.; ∖_i, and ∖i throughout : a solar halo.
·23	·19	8/8	A.	⌒∖i scattered in the Hor.: masses of F. clds. below moving Ed.; ∖_ and ∖i above moving in contrary direction : solar halo.
5· 0	·20	8/8	A.	⌒∖i scattered in the Hor.; two strata, 1st detached masses of D. F clds. below, and L F. clds. like ∖i above both moving NE.: a solar halo.
· 1	·21	7/8	D.	⌒ in the Hor ; F. clds. and ∨⌒_ moving from W. to E.; and ∖i, ∖_i scattered above them.
· 2	·22	7/8	D.	⌒ in the Hor ; F. clds. in NE. and SE.; and ∨⌒ in the Zth. NW., and N.: ∖i, and ∖_i scattered.
· 3	·23	7/8	D.	⌒ in the Hor.; ∖, and ∖_ scattered ; — NE., E and SW.: ∨⌒ in S. and SW.
· 4	5· 0	7/8	D.	∖i, and ∖_i scattered : ⌒ from N. to S. (by E) : — from NW. to NE. (by N.)
· 5	· 1	8/8	G.	D. ∖i, ∖_i and ∨⌒i scattered ; ⌒∖i in the SE., E. and NE.: scud moving S. to N.
· 6	· 2	8/8	G.	D. ∖i, ∖_i and —i scattered ; ⌒∖i in the E.: scud moving from SW. to NE.; and a few F. ⌒∖i in the NW. and SE. moving from W. to E.
. 7	· 3	7/8	G.	D. ∖i, ∖_i and — scattered : upper current of clds. from N. to S., and lower F. ⌒∖i from SW. to NE.: a halo round the ☽.
· 8	· 4	8/8	G.	D. ∖i, ∖_i, and — scattered throughout above ; and F. ⌒∖i moving from SW. to NE., below.
· 9	· 5	8/8	A.	D. clds. in masses, below moving S.; ∖_, and ∖i above.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
5·10	5· 6	8/8	A.	D. F. clds. in masses, below, moving S.; ∖_, and ∖i throughout : a flash of lightning in the S. Hor.
·11	· 7	8/8	A.	D. F. clds. in masses, below, moving S.; ∖_, and ∖i throughout : a lunar halo.
·12	· 8	8/8	A.	F. clds. scattered, moving rapidly S.: ∖_, and ∖i above throughout.
·13	· 9	6/8	D.	F. clds moving from W. to E., and ∖i, and ∖_i scattered.
·14	·10	7/8	D.	F. clds. moving from SW. to NE.: ∖i, and ∖_i scattered.
·15	·11	5/8	D.	F. clds. moving from SW. to NE.: ∨⌒_i scattered.
·16	·12	5/8	D.	∨⌒_i throughout.
·17	·13	6/8	G.	∨⌒_i scattered : scud moving from SW. to NE.; and a few ∖i in the N.
·18	·14	6/8	G.	D. F. ⌒∖i moving from SW. to NE. below ; ⌒ in NW. and W.; and haze throughout, above.
·19	·15	7/8	G.	D. F. ⌒∖i moving from SW. to NE. below ; ⌒ in NW. and W.; and haze throughout, above.
·20	·16	7/8	G.	D. ⌒_ in the N. and NE. extending towards the Zth ; F. ⌒∖i moving from SW. to NE., below ; and haze scattered, above.
·21	·17	6/8	A.	D. ⌒∖i scattered in the Hor.: masses of D. F. clds. moving SE. from N. and SW.; haze scattered above.
·22	·18	4/8	A.	F. ⌒∖i extending from the N. to S. Hor. (by E.): haze in the Zth.
·23	·19	2/8	A.	F. ⌒∖i extending from the N to S. Hor. (by E.) : haze in the Zth : detached ⌒∖i in the W. Hor.
6· 0	·20	1/8	A.	Detached F. ⌒∖i in the Hor.; a F. ⌒ in the E. moving SE.: haze in the Zth.
· 1	·21	1/8	D.	Detached F. ⌒∖i in the Hor.: haze throughout.
· 2	·22	1/8	D.	⌒ in the N., NE., E., SE. and W. Hor.; F. clds. in the W.: haze throughout.
· 3	·23		D.	⌒ in the NE. and SE.: haze throughout.
7· 4	7· 0	5/8	D.	⌒ in the E. Hor.; D. ∖i, ∖_i above ; and — moving in a large mass from SE. to NW.; and F. ⌒∖i moving Ed. from below.
· 5	· 1	7/8	G.	⌒ in the E. Hor.; D. ∖i, ∖_i above ; and — moving in a large mass from SE. to NE.; and F. ⌒∖i moving Ed. from below.
· · 6	· 2	8/8	G.	— in the E. and S ; patches of ∨⌒i moving from SE. to NW., above : and F. ⌒∖i moving from W. to E., below.
· 7	· 3	8/8	G.	Overcast : lightning in the E. (by N.): raining lightly.
· 8	· 4	7/8	G.	D. ∖i, ∖_i, and — scattered above ; and F. ⌒∖i moving from W. to E , below.
· 9	· 5	7/8	A.	F. clds. below moving SE.; ∖_, and ∖i above : a lunar halo.
·10	· 6	8/8	A.	F. clds. below moving SE.; ∖_i and ∖i above.
·11	· 7	8/8	A.	∨⌒_i
·12	· 8	8/8	A.	D. F. clds below almost ∨⌒i moving rapidly SE.; L. F. clds., and ∨⌒i above moving slowly in the same direction.
·13	· 9	7/8	D.	∨⌒i throughout ; and ∨⌒_ below moving from W. to E.: ⌒ in E. and SE. Hor.
·14	·10	5/8	D.	∨⌒i scattered ; and F. clds. moving from W. to E.: ⌒ in E. and SE. Hor.
·15	·11	5/8	D.	∨⌒, and ∖_ in SW ; F. clds. and ∨⌒_ moving from W. to E. : ⌒ in E. and SE. Hor.
·16	·12	5/8	D.	∨⌒_ ; and F. clds. moving from W. to E.
·17	.13	6/8	G.	∨⌒_ ; and F. clds. moving from SW. to NE.
·18	·14	7/8	G.	∨⌒_ ; and D. F. ⌒∖i moving from W. to E., below ; and ∖i, and ∨⌒i moving from SE to NW. above.
·19	·15	8/8	G.	∨⌒_i : scud moving from SW. to NE.: few drops of rain.
·20	·16	8/8	G.	∨⌒_i : scud moving from SW to NE : raining lightly.
·21	·17	8/8	A.	∨⌒_i, and D. F. clds.: raining lightly,
·22	·18	8/8	A.	D. F. clds. like ∨⌒_ moving from the N. to S. from the W. to the E. below : F. clds. above.

JUNE, 1846.

Bombay Mean Time.	Gottingen Mean Time	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
7·23	7·19	8/8	A.	D. F. clds. and ∖⌒_.
8· 0	·20	8/8	A.	D. F. clds. and ∖⌒_.
· 1	·21	7/8	D.	∖⌒_i, about the Zth.; ∖⌒i in the N. and NW.; ∖_ in the S. and SE.: ⌒ from N. to S. (by E.)
· 2	·22	6/8	D.	∖i, ∖_i; and ∖⌒i scattered; — in the W., and NW.: ⌒ from NW. to S. (by N.)
· 3	·23	5/8	D.	∖i, and ∖_i scattered; — in NW., N., NE., E. and SE.: ⌒ from N. to S. (by E.)
· 4	8· 0	6/8	D.	∖i, and ∖_i scattered throughout: ⌒ from NE. to SE.
· 5	· 1	7/8	G.	∖i, ∖⌒i, ∖_i: and ∖⌒_. scattered throughout: F. ⌒∖i in the S., moving E. from W.; and ⌒ in E. Hor.
· 6	· 2	8/8	G.	∖i, ∖⌒i, ∖_i; and ∖⌒_i scattered throughout: scud moving from SW. to NE.; and ⌒∖i in N. by E. and SE. Hor.
· 7	· 3	8/8	G.	∖i, ∖⌒i, ∖_i; and ∖⌒_i scattered throughout: and D. F. ⌒∖i moving from W. to N.
· 8	· 4	8/8	G.	∖⌒_i scattered moving from W. to E: lightning to the SE.
· 9	· 5	8/8	A.	L. F. clds. below; and ∖_i, and ∖i (above): a lunar halo.
·10	· 6	8/8	A.	L. F. clds: ∖⌒i forming overhead: an imperfect lunar halo.
·11	· 7	8/8	A.	D. F. clds. below, moving rapidly from the W. and S. to the E.: ∖_i, and ∖i., above: lightning in the N. Hor.
·12	· 8	8/8	A.	F. clds. scattered: ∖⌒i in the Zth.
·13	· 9	8/8	D.	∖i, ∖_i; and F. clds. throughout.
·14	·10	8/8	D.	∖⌒, in the SE., S. and SW.; ∖i, ∖_i scattered: F. clds. in the SW.
·15	·11	7/8	D.	∖⌒, and F. clds.
·16	·12	5/8	D.	∖⌒_, and ⌒ in the Hor; ∖⌒i, ∖i and ∖_i scattered, and F. clds. moving from W. to E.
·17	·13	6/8	G.	D. F. ⌒ moving from W. to E.; ∖⌒_i in the Hor.; and ∖⌒i in the SW.
·18	·14	7/8	G.	⌒_ in the W. and S; ∖i, ∖_, and ∖⌒i moving from SE. to NW., above; and D. F. ⌒∖i moving from SW. to NE., below: a rain bow in SW.
·19	·15	7/8	G.	⌒_ in the N.; ⌒ in the W.; ∖i, ∖_i, ∖⌒i scattered throughout above; and F. ⌒∖i moving from S. (by W.) to E. below.
·20	·16	8/8	G.	D. ⌒_, ⌒ and ∖⌒_ in the N., W., S. and SW; and D. ∖i, and ∖⌒i moving from S. to N.
·21	·17	8/8	A.	D. F. clds. scattered moving E; D. F. ⌒∖i below; and ∖_i, L. F clds. in the Hor
·22	·18	8/8	A.	⌒, and ⌒_ in the Hor: D. F. ⌒ below, and L. F. clds. above moving from the S. to the W. and from the W. to the E.: ∖⌒i in the Zth.
·23	·19	8/8	A.	Electrical ∖⌒ in the W. and SW. Hor.: ⌒ in the remaining Hor.: masses of D. F. clds. below moving from the N (by W): — in NE. Hor. ∖⌒i above.
9· 0	·20	5/8	A.	⌒_, and ⌒ around the Hor.: ∖⌒i in S. and SW. Zth. clear.
· 1	·21	6/8	D.	⌒_, and ⌒ in the Hor.; ∖⌒i in and about the Zth.: ∖⌒_ in SE. and E.
· 2	·22	7/8	D.	⌒_, and ⌒ in the Hor; ∖⌒_ throughout: thundering: F. clds. in the upper current moving from E. to W., and those in the lower from W. to E.
· 3	·23	7/8	D.	⌒ in the Hor; ∖⌒_ throughout; and F. clds. moving from W. to E.
· 4	9· 0	[illegible]	D.	∖⌒_i throughout: ⌒ in the Hor.: raining.
· 5	· 1	8/8	G.	∖⌒_i throughout; ⌒ in the Hor.: D F. ⌒∖i moving from W. to E.: no rain.
· 6	· 2	8/8	G.	∖⌒_i throughout: ⌒ in the Hor: D. F. ⌒∖i moving from W. to E: no rain.
· 7	· 3	8/8	G.	∖⌒_i throughout: ⌒ in the Hor.: D. F. ⌒∖i moving from W. to E.: no rain.
· 8	· 4	8/8	G.	∖⌒_i throughout: ⌒ in the Hor.: D. F. ⌒∖i moving from W. to E: raining: lightning to the N
· 9	· 5	8/8	A.	∖⌒_i throughout: raining heavily: lightning with thunder in the NE.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
9·10	9· 6	8/8	A.	∖⌒_i throughout: raining heavily: lightning with thunder.
·11	· 7	8/8	A.	∖⌒_i throughout: raining since last observation: lightning at intervals in the E.
·12	· 8	8/8	A.	∖⌒_i throughout: raining lightly.
·13	· 9	8/8	D.	∖⌒_i: raining very lightly, ceased after 10 minutes.
·14	·10	8/8	D.	∖⌒_i: raining.
·15	·11	8/8	D.	∖⌒_i; ⌒ in the Hor: lightning in the SW.
·16	·12	8/8	D.	∖⌒_i; ⌒ in the Hor.: no lightning.
.17	·13	8/8	G.	∖⌒_i; ⌒ in the Hor.: lightning in the W.: clearing in the NE. and E. Hor.
·18	·14	7/8	G.	∖⌒_i in the S, and some moving from SE. to NW.; ⌒_ in the W. extending towards the Zth.; and ⌒∖i in the Hor.
·19	·15	8/8	G.	∖⌒_i moving from SW. to NE., below; and ∖⌒i scattered, above.
·20	·16	8/8	G.	∖⌒_i moving from SW. to NE.
·21	·17	8/8	A.	D. F. clds., and ∖⌒_ throughout.
·22	18	8/8	A.	D. F. clds. overhead moving NE: ∖⌒_ and F. clds.
·23	·19	8/8	A.	D. F, clds. below moving E. from W. and SW.; ∖⌒i above,: L. F. clds. and ∖⌒_.
10· 0	·20	8/8	A.	D. F. clds. scattered, below moving rapidly N.; L F. clds., and ∖i above moving slowly towards the same Direction.
· 1	·21	7/8	D.	⌒_, and ⌒ in the Hor.; ∖i, and ∖_i throughout; ∖⌒i in the NW, and NE.; and F. clds. moving from NE. to SW.
· 2	·22	7/8	D.	⌒_, and ⌒ in the Hor; ∖_i, and ∖⌒i in the NW.; and F. clds. moving from NE to SE. in the upper, and from SW to NE. in the lower current.
· 3	·23	7/8	D.	⌒_, and ⌒ under ∖⌒_ in the Hor; and F. clds. moving from SW. to NE.: the lower current in the same direction as at last observation.
· 4	10· 0	8/8	D.	∖⌒_i in the Hor.; F. clds, and ∖⌒_i in lower current moving from SW. to NE.
· 5	· 1	8/8	G.	⌒_ in the W.; ∖⌒_ in the S; and ⌒ in the Hor; D. F ⌒∖i moving very rapidly, from SW. to NE.; and ∖, ∖⌒ moving from SE. to NW.
· 6	· 2	8/8	G.	D. ∖⌒_ in the NW., N and SE; ⌒_ in the S. and W. extending towards the Zth.; and huge masses D. F. ⌒∖i moving from SW. to NE. below.
· 7	· 3	8/8	G.	D. ∖⌒_i scattered throughout: scud moving from SW. to NE.
· 8	· 4	8/8	G.	D. ∖⌒_i scattered throughout: scud moving from S. to N.: raining very lightly: thunder in the N.
· 9	· 5	8/8	A.	∖⌒_i below moving rapidly N.; D F. clds. above; rain at 5h. 26m, lasted about 5m.
·10	· 6	8/8	A.	∖⌒_i throughout: raining.
·11	· 7	8/8	A.	∖⌒_i throughout: raining.
·12	· 8	8/8	A.	∖⌒_i; and D. F. clds.
·13	· 9	8/8	D.	∖⌒_i; and D. F. clds. throughout.
·14	·10	8/8	D.	∖⌒_i; and D. F. clds throughout
·15	·11	8/8	D.	∖⌒_i; and D. F. clds. throughout.
·16	·12	8/8	D.	∖⌒_i; and D. F. clds. throughout.
·17	·13	7/8	G.	∖⌒_i moving from SW. to E.: clearing in the NE. Hor.: ∖⌒ NE. of Zth.
·18	·14	7/8	G.	∖⌒_i moving from SW to NE, below; ∖⌒ moving from W. to E. above.
·19	·15	8/8	G.	∖⌒_i moving from S. to N.: raining very lightly.
·20	·16	8/8	G.	∖⌒_i moving from S to N.: a few ∖⌒i in the S. near Zth. moving N.
·21	·17	8/8	A.	∖⌒_i below moving N.: D. F clds almost ∖⌒_, above: raining.
·22	·18	8/8	A.	∖⌒_i
·23	·19	8/8	A.	∖⌒_i below moving towards the N. from all quarters: D. F. clds. above stationary.
· 0	·20	8/8	A.	Large masses of ∖⌒_ moving rapidly from the S to Zth: D. F. clds. above: heavy rain falling.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
11· 1	10·21	3/8	D.	∿_i : raining : D. F. clds. moving from SW. to NE.
· 2	·22	3/8	D.	∿_i moving NE.: raining.
· 3	·23	3/8	D.	∿_i : raining.
· 4	11· 0	8/8	D	∿_i moving from SW. to NE.: raining.
· 5	· 1	8/8	G.	∿_i moving from SW. to NE.: raining.
· 6	· 2	8/8	G.	∿_i moving from S. to N.: a mass of ⌒i in the S.: raining.
· 7	· 3	8/8	G.	∿_i moving from SE. to N.: raining.
· 8	· 4	8/8	G.	Overcast with ∿_i: a few stars faintly visible in the W.
· 9	· 5	8/8	A.	Overcast with ∿_i.
·10	· 6	8/8	A.	∿_i in large masses moving NE.
·11	· 7	6/8	A.	∿_i extending from the N to S. Hor. (by E.) : ⌒_ in the remaining Hor. extending about 4° above the Hor : L. F. clds. in the Zth.
·12	· 8	8/8	A.	Thickly overcast with ∿_i, large masses of which are moving rapidly N.
·13	· 9	8/8	D.	∿_i ; and F. clds. moving from SE. to NW.
·14	·10	8/8	D.	∿_i : raining lightly.
·15	·11	7/8	D.	∿_i : and F. clds. moving NW.
·16	·12	8/8	D.	∿_i: raining.
·17	·13	8/8	G.	∿_i moving from S. to N.: raining.
·18	·14	8/8	G.	∿_i moving from S. to N., above ; and lower current from E. to W.
·19	·15	8/8	G.	∿_ moving from SE. to NW. and N.
·20	·16	8/8	G.	∿_ moving from SE. to NW. and N.: raining.
·21	·17	8/8	A.	∿_i large masses of which are moving rapidly N.
·22	·18	8/8	A.	∿_i large masses of which are moving rapidly W : rain at 18h. 19m.
·23	·19	8/8	A.	∿_i : raining.
12· 0	·20	8/8	A.	∿_i : drizzling rain.
· 1	·21	8/8	D.	∿_i ; drizzling rain.
· 2	·22	8/8	D.	∿_i : drizzling rain.
· 3	·23	8/8	D.	∿_i : drizzling rain became heavy afterwards : a squal at 23h. 12m.
· 4	12· 0	8/8	D.	∿_i : raining : squally.
· 5	· 1	8/8	G.	∿_i : raining : squally.
· 6	· 2	8/8	G.	∿_i : raining very heavily.
· 7	· 3	8/8	G.	∿_i : raining very heavily.
· 8	· 4	8/8	G.	∿_i : raining.
· 9	· 5	6/8	A.	∿_i : raining.
·10	· 6	8/8	A.	∿_i : raining lightly.
·11	· 7	8/8	A.	∿_i huge masses of which are moving N.: lightning in the NW. Hor. at 7h. 22m.
·12	· 8	8/8	A.	∿_i below moving in large masses NE.; D. F. clds., above moving S. through which the ☽ is faintly seen.
·13	· 9	8/8	D.	∿_i : raining very lightly.
·14	·10	8/8	D.	∿_i.
·15	·11	8/8	D.	∿_i.
·16	12	8/8	D.	∿_i.
17	·13	8/8	G.	∿_i : lower current of clds. from SW. to NE., and upper from SE to NW.
·18	.14	8/8	G.	∿_i : lower current of clds. from SW. to NE ; a few masses of ⌒ in the NW.: raining.
·19	·15	8/8	G.	∿_i : lower current of clds. from SW. to NE.
·20	·16	8/8	G.	∿_i : lower current of clds. from SW. to NE.: raining lightly.
·21	17	8/8	A.	∿_i large masses of which are moving Eastward from all directions ; drizzling rain.
·22	·18	8/8	A.	∿_i large masses of which are moving SE. from all directions : drizzling rain : thunder in the S. and S. by W. Hor.
·23	·19	8/8	A.	∿_, huge masses of which are moving (below) rapidly NE. from all directions : drizzling rain.
13· 0	·20	8/8	A.	D. F. clds. almost ∿_ throughout : ∿_ in masses moving slowly SE. from all directions.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
13· 1	12·21	8/8	D.	∿_ and D. ⌒ ; and — in the Hor.
· 2	·22	8/8	D.	∿_ and D. ⌒ : and — in the Hor.
· 3	·23	8/8	D.	∿_ : ⌒ in the Hor.
14· 4	14· 0	7/8	D.	Upper current of ∿_i clds. from SE. to N.; and the lower from SW. to NE.: peals of thunder in the SE.
· 5	· 1	7/8	G.	Upper current of ∨⌒i from SE. to NW.; and the lower of D. F. ⌒∖i from SW. to NE.
· 6	· 2	7/8	G.	∿_i in the W.; ⌒_ in the N. and E., and large masses of ∨⌒i moving N. from S.: — in the SE.
· 7	· 3	7/8	G.	∿_i in the W.: and — in the E. and SE.; D. F. ⌒∖i moving from SW. to NE.
· 8	· 4	7/8	G.	∿_i scattered : raining : a few stars faintly visible in the NW. and N.
· 9	· 5	6/8	A.	∿_i scattered : Zth. partly clear.
·10	· 6	7/8	A.	∿_i in large masses moving N.
·11	· 7	7/8	A.	∿_i in large masses moving N.
·12	· 8	6/8	A.	∿_i, and ⌒ around the Hor.; ∨⌒i S. by W. of Zth.; and L. F. ⌒∖i in the Zth. moving NE.
·13	· 9	6/8	D.	∿_i in and about Zth.; F. clds. moving from SW. to NE.: ∿_i in the Hor.
·14	·10	3/8	D.	∿_i in and about Zth.; F. ⌒ in the W. Hor.
·15	·11	3/8	D.	∿_i in and about Zth.; F. ⌒ in the W. and SW. Hor.; F. clds. moving NE.
·16	·12	2/8	D.	⌒_ in SW., W. and NW. Hor.; and F. clds. moving from SW. to NE.
·17	·13	7/8	G.	∿_i in the Hor.; and D. F. ⌒∖i moving from SW. to NE.
·18	·14	7/8	G.	∿_i moving from SW. to NE.
·19	·15	6/8	G.	⌒_ in E. by S.; and F. ⌒∖i moving from SW. to NE.
·20	·16	5/8	G.	⌒_ in SW. and S.; — in the E.; ∨⌒ moving from SE. to NW.; and ∖ haze throughout.
·21	·17	5/8	A.	D. F. ⌒∖i around the Hor ; F. clds. moving from the N. by W. and SE. to NE.; haze throughout.
·22	·18	3/8	A.	D. F. clds. scattered in the Hor.; a large mass of D. F. clds. in the W. moving slowly Nd ; haze in the Zth.
·23	·19	5/8	A.	D. F. clds. scattered in the Hor.; a mass of D. F. clds. scattered moving NEd.
15· 0	·20	5/8	A.	D. F. clds. in Hor.; large masses of D. F. clds. in the W. moving Nd
· 1	.21	4/8	D.	F. ⌒ in N., NE., E., SE., S. and SW. Hor.; and F. clds, moving from SW. to NE.
· 2	·22	5/8	D.	F. ⌒ in N., NE., E., SE., S. and W. Hor.; and F. clds. moving from SW. to NE.: ∖_ in the NW.
· 3	·23	2/8	D.	⌒_, and ⌒ from N. to SW. (by E.): ∖_ in NW.; and F. clds. moving from SW. to NE.
· 4	15· 0	2/8	D.	⌒ from N. to SE. (by E); and F. clds. moving from SW. to NE.
· 5	· 1	6/8	G.	L. F. ⌒ moving, in large masses, from S. to N.
· 6	· 2	6/8	G.	⌒ from SE. to NW. Hor.; and ⌒ moving from SW. to NE.
· 7	· 3	6/8	G.	⌒, and ∿_ in the Hor.; ∖_ in SE.; and F. ⌒ moving from SW. to NE.
· 8	· 4	6/8	G.	∿_i moving from SW. to NE.
· 8	· 5	4/8	A.	∿_i around the Hor.
·10	· 6	3/8	A	∿_i scattered in the Hor.
·11	· 7	2/8	A.	∿_i scattered in the Hor.
·12	· 8	6/8	A.	∿_i, and D. F. clds. in the Hor.; detached, D. F. ⌒∖i, moving Nd : ∖_ above in the S. by W.
·13	· 9	5/8	D.	∿_i in the Hor.; and ∨⌒i in and about the Zth.
·14	·10	6/8	D.	F. ⌒ in the Hor.; and F. clds. moving from S. to N.: ∖i and ∖_i scattered throughout.
·15	·11	6/8	D.	∿_i ; and F. clds. moving from S. to N.
·16	·12	7/8	D.	∿_i ; and F. clds. moving from S. to N.
·17	·13	7/8	D.	∿_i ; and D. F. clds moving from SW. to N.

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D. H.	D. H.			
15·18	15·14	7/8	G.	\⌒i above moving from SE. to W. (by N.); and \⌒_i below moving from S. to N.
.19	·15	7/8	G.	\⌒i above moving from SE. to W. (by N.); and \⌒_i below moving from S. to N.
·20	·16	8/8	G.	\i, and \⌒i, above; and D. \⌒_i moving from S. to N.
·21	·17	8/8	A.	⌒_, and \⌒_ in the Hor.; large masses of D. F. clds., below; and L. F. clds. above; and L. F. clds. and \⌒i above, the former moving N., and the latter S.
·22	·18	8/8	A.	⌒_, and ⌒\i in the Hor., D. F. clds., below, and L. F. clds. in the Zth. the former moving N. the latter S.
·23	·19	8/8	A.	⌒_, and ⌒\i in the Hor.; detached masses of D. F. clds moving rapidly by N. E.: L. F. clds. almost \i scattered throughout.
16· 0	·20	8/8	A.	⌒_, and ⌒ in the Hor.; D. F. clds. moving slowly N. by E.: linear \i in the W.
· 1	·21	8/8	D.	⌒_, and ⌒ in the Hor.; \⌒_ throughout: \i and _i scattered; and F. clds moving from S. to N.
· 2	·22	8/8	D.	⌒_, and ⌒ in the Hor.; \i in and about the Zth; \⌒_i and F. clds. moving from S. to N.: raining.
· 3	·23	8/8	D.	\⌒_i: raining.
· 4	16· 0	8/8	D.	\⌒_i: raining.
· 5	· 1	8/8	G.	\⌒_i: raining
· 6	· 2	8/8	G.	\⌒_i: scud moving from SW. to NE.: no rain.
7	· 3	8/8	G.	\⌒_i: scud moving from SW. to NE: lightning in the W. at 7h. 25m.
· 8	· 4	8/8	G.	\⌒_i: scud moving from SW. to NE: lightning in the W. by S.; raining
· 9	. 5	7/8	A.	\⌒_i in detached masses, moving N: raining: lightning at long intervals in the W. by S. Hor.
·10	· 6	8/8	A.	\⌒_i in detached masses, below moving N.: overcast above: lightning in the SW. Hor.
·11	· 7	8/8	A.	\⌒_i in large masses, below moving N.: overcast above: lightning in the Zth. at short intervals: rain commenced falling.
·12	· 8	7/8	A.	\⌒_i in huge masses, moving N.: lightning in vivid flashes in the S. Hor: raining at 8h. 47m.
·13	· 9	7/8	D.	\⌒_.
·14	·10	8/8	D.	\⌒_ moving N: lightning in the SE., NW. and N.; and thunder.
·15	·11	8/8	D.	\⌒_ moving; lightning in the SE. and SW., and N.: rain at 11h. 45m.
·16	·12	8/8	D.	\⌒_ lightning in the N: raining very lightly.
·17	·13	8/8	G.	\⌒_ lightning in the N.: raining very lightly; thundering.
·18	·14	8/8	G.	A few ⌒ with _ on the top in the W; and \⌒_i scattered; scud moving from SW. to NE.: raining.
·19	·15	8/8	G.	\⌒_i: scud below moving from SW. to N.: lightning and thunder in the NW: raining.
·20	·16	8/8	G.	⌒ with _i on the top in the W.: upper current of _ from NW. to E.; and lower \⌒_i from SW. to E.
·21	·17	8/8	A.	Thickly overcast with \⌒_i: raining very heavily: thunder in the N.
·22	·18	8/8	A.	\⌒_i in masses, moving SE.
·23	·19	8/8	A.	\⌒_i in masses, moving E: raining lightly.
17· 0	20	8/8	A.	\⌒_i in masses moving NW: raining lightly.
· 1	·21	8/8	D.	\⌒_i: raining very lightly
· 2	·22	8/8	D.	\⌒_i: raining very lightly: ⌒ along the NW. Hor.
· 3	·23	8/8	D.	\⌒_i: raining very lightly: ⌒ along the E. and SE. Hor.
. 4	17· 0	8/8	D.	\⌒_i; ⌒ along the NW., N., E. and SE. Hor.: — in the E. and SE.
· 5	· 1	8/8	G.	⌒i in NW., SE., SW. and E. by S. Hor., \⌒_i moving from SW. to NE.
· 6	· 2	8/8	G.	\⌒_i: raining heavily.
· 7	· 3	8/8	G.	\⌒_i: raining heavily: scud moving from SW. to NE: lightning in the E.
17· 8	17· 4	8/8	G.	\⌒_: raining heavily.
· 9	· 5	8/8	A.	\⌒_i: it has been raining heavily and incessantly since the last observation: lightning to the NW. and S. by W. Hor: thundering.
·10	· 6	8/8	A.	\⌒_i: raining since the last observation: lightning in the NW. and SW. Hor.
·11	· 7	8/8	A.	\⌒_i.
·12	· 8	8/8	A.	\⌒_i: raining lightly.
·13	· 9	8/8	D.	\⌒_i; raining very lightly.
·14	·10	8/8	D.	\⌒_i.
·15	·11	8/8	D.	\⌒. i.
·16	·12	8/8	D.	\⌒_i: a light shower at 4h. 18m.
·17	·13	8/8	G.	\⌒_i: raining heavily.
·18	·14	8/8	G.	\⌒_i: raining heavily: clds. moving in two currents, the upper from S. to N., and the lower from N. to S.
·19	·15	8/8	G.	\⌒_i: raining lightly: peals of thunder in the N: a sharp squall of wind at 18h. 15m.
·20	·16	8/8	G.	\⌒_i: raining lightly.
·21	·17	8/8	A.	\⌒_i: raining.
·22	·18	8/8	A.	\⌒_i in masses, moving SE: raining since the last observation.
·23	·19	8/8	A.	\⌒_i: raining since the last observation.
18· 0	·20	8/8	A.	\⌒_i.
· 1	·21	8/8	D.	\⌒_: raining lightly: ⌒ along the SE. Hor.
· 2	·22	8/8	D.	\⌒_: ⌒ along the SE. Hor.
· 3	·23	8/8	D.	\⌒_: ⌒ along the SE. Hor.: a light shower of rain at 23h. 25m.
· 4	18· 0	8/8	D.	\⌒_i in two strata, the lower moving from W. to E: _ in the SE.: raining very lightly.
· 5	· 1	8/8	G.	\⌒_i moving in two strata, the lower from S. to NE; and the upper from SE. to NW.: raining very lightly.
· 6	· 2	8/8	G.	\⌒_i moving in two strata, the lower from SW. to NE.; and the upper from SE. to NW: a break in the SE.
· 7	· 3	8/8	G.	\⌒_i moving from NW. to E., below, and from SE. to NW. above: a squall of wind and rain.
· 8	· 4		G.	\⌒_i: raining: lightning to the SW.; and thunder in the N.
· 9	· 5	8/8	A.	\⌒: raining; and lightning in the SW. and NW. Hor.
·10	· 6	8/8	A.	\⌒: raining.
·11	· 7	8/8	A.	\⌒_i: drizzling rain: lightning in the SW. Hor.
·12	· 8	8/8	A.	\⌒_i, some below, in masses, moving SE: light rain 10m. after the observation.
·13	· 9	8/8	D.	\⌒_.
·14	·10	8/8	D.	\⌒_. stars faintly visible in the Zth.
·15	·11	7/8	D.	\⌒_: Zth partly clear.
·16	·12	8/8	D.	\⌒_: Zth partly clear.
·17	·13	8/8	G.	\⌒_i, some moving, in detached masses, below from SW. to NE.
·18	·14	8/8	G.	\⌒_i; scud moving from SW. to N.
19	·15	8/8	G.	\⌒_i: scud moving SW. to N.: upper current from SE. to NW.
·20	·16	8/8	G.	\⌒_i: scud moving from SW. to N. upper current from SE. to NW.
·21	·17	8/8	A.	\⌒_i below moving N. from all directions: overcast above with undefined clds. through which ⊙ shines, but casts no shadow
·22	·18	8/8	A.	\⌒_i below, and D. F. clds. above both moving SE.
·23	·19	8/8	A.	\⌒_i moving rapidly NE. from all directions: rain begins to fall
19· 0	·20	8/8	A.	\⌒_i moving NE. from all directions, below: undefined clds. above: raining.
· 1	·21	7/8	D.	\⌒_i: and F. clds. moving from all directions NE., stratum F. \⌒_i above stationary.

JUNE, 1846.

Bombay Mean Time	Gottingen Mean Time	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
19· 2	18·22	8/8	D.	∨∩_ in two strata, the lower moving from all directions NE: ∨∩i in the SW.
· 3	·23	8/8	D.	∨∩_ in two strata, the lower moving from all directions NE.
· 4	19· 0	8/8	G.	∨∩_i; and F. clds. moving towards the NE: ╱╲_ in SE, E. and SW. Hor: ∨∩i in the Zth.
· 5	· 1		G.	∨∩_i; and F. clds. moving towards the NE.: ╱╲_ in SE, E. and extending towards Zth: ∨∩, and ╲_ moving from SE. to NW.
· 6	· 2	8/8	G.	∨∩_i moving from SW. to NE; ∨∩i and ╲i in the Zth. from S. to N.; and ∩_ in the N: a light shower of rain at 6h. 48m.
· 7	· 3	7/8	G.	∨∩_i moving from SW. to NE.; ∨∩i, and ╲i in the Zth. from S. to N.; and ∩_ in the W, SE and E: ╲_ W. of Zth: a flash of lightning in the SW.; and a light shower of rain.
· 8	· 4	4/8	A.	Overcast in the Hor: a few masses of ∨∩_i moving from SW. to NE.
· 9	· 5	3/8	A.	D. F. clds. almost ∨∩i in the Hor: ∨∩_ in the SE. moving Nd.
·10	· 6	6/8	A.	Detached D. F. clds. almost ∨∩_i moving N.: Zth. partly clear.
·11	· 7	3/8	A.	A mass of ∨∩_ in the S. moving SE.; ∨∩_i moving NE. from the W. and scattered in the Hor.
·12	· 8	2/8	A.	∨∩_i scattered in the H.: few ∨∩_i in the S. and SW.
·13	· 9	1/8	D.	F. clds. in the NW., W., SE., and NE.
·14	·10	2/8	D.	F. clds. moving NE.
·15	·11	1/8	D.	F. clds. in the SE., E. and NE.: a meteor flashed in NW. towards the Hor.
·16	·12	3/8	D.	∨∩_i in the NE., E., SE., and in the Zth. moving NE.
·17	·13	5/8	G.	D. masses of F. ∩i, and ∨∩_i moving from SW. to NE., below; and a few ∨∩i from S. to N.
·18	·14	4/8	G.	D. ∩_ from W. to SE. extending towards Zth; and a few F. ∩ moving from SW. to NE.
.19	·15	5/8	G.	∨∩_i moving from SW. to NE.; and ∨∩i from S. to N.: ∩_ in the SE.
·20	·16	6/8	G.	∨∩_ in E. and S; and D. ∨∩i moving N. from S.
·21	·17	6/8	A.	Two strata, in S. and E. of D. F. ∩i, below, and L. F. clds. above both moving from W. to NE: ╲i overhead: rain after 10m.
·22	·18	8/8	A.	Three strata in the W., S. and SW. 1st D. F. clds, 2nd ╲_, and the 3rd or uppermost ╲i.
·23	·19	6/8	A.	∩ in the Hor.: F. ∩i almost ∨∩i scattered moving rapidly NE.
20· 0	·20	6/8	A.	∩_, and ∩ in the Hor.: F. ∩i almost ∨∩_ scattered moving rapidly NE.: ╲i almost haze above
· 1	·21	5/8	D.	∩_, and ∩ from N. to SW. (by E.); F. clds. moving NE: ╲_ in NE. and SE.; ∨∩i in S. and NW.: thick mist in SW., W. and NW. Hor.
· 2	·22	5/8	D.	∩_ in the Hor.; ∨∩ in the NW., N., NE; F. clds. moving NE.: thick fog below: ∩_ and ∩ in Hor.
· 3	·23	6/8	D.	∩_ in the Hor.; ∨∩ in the NW. and S: F. clds, and ∨∩_ moving NE.: thick fog in the Hor.
21· 4	21· 0	8/8	D.	A few ∩i in the SE.; and ∨∩_i throughout: scud moving from S. to N.
· 5	· 1	8/8	G.	∨∩_i moving from S to N.: drizzling rain.
· 6	· 2	8/8	G.	Lower current of ∨∩_i from SW. to N.; and upper, from SE. to NW.: drizzling rain.
· 7	· 3	8/8	G.	∨∩_i moving from SW. to NE, below; and overcast above with the same.
· 8	· 4	8/8	G.	Overcast: raining.
· 9	· 5	8/8	A.	∨∩_i: raining very lightly.
·10	· 6	6/8	A.	∨∩_i scattered: Zth. partly clear.
·11	· 7	7/8	A.	∨∩_i in masses moving SE.: three huge masses of ∨∩_i inosculating near the Zth, one from the N., the other from the W., and the 3rd from the S: raining.
21·12	21· 8	6/8	A.	∨∩_i in masses moving E.
·13	· 9	7/8	D.	∨∩_i moving NE.
·14	·10	5/8	D.	∨∩_i moving NE.: raining.
·15	·11	5/8	D.	∨∩_i moving NE.: raining.
·16	·12	5/8 ○	D.	∨∩_i moving NE.
·17	·13	7/8	G.	∨∩_i moving from SW. to NE.; and ∩_ in the S. extending to the Zth. ∨∩i from N. to S.
.18	·14	7/8	G.	D. F. ∩i moving from SW. to NE.: and ∨∩i from SE. to N: ∩_ in the S. and SE.: a light shower of rain at 18h. 20m.
·19	·15	6/8	G.	∩_ in S.; and ∨∩i moving from N. to S.
·20	·16	4/8	G.	∩_ in S.; D. F. ∩i moving from SW. to NE.: clear around the Zth
·21	·17	6/8	A.	∩i in the Hor.: D. F. clds. scattered moving rapidly E. by N: haze in the Zth.
·22	·18		A.	∩ in the N. and S. Hor.: ╲i in the S.: haze in the Zth.
·23	·19	6/8	A.	∩ scattered in the Hor; D. F. clds. scattered moving NE.: haze in the Zth.
22· 0	·20	6/8	A.	∩, and ∨∩_ in the Hor.; D. F. ∩i, and ∨∩i in the Zth. moving E.: haze above.
· 1	·21	5/8	D.	F. clds.; and ∨∩ moving NE.: — in the NE., E. and SE.: ∩ in the NE and SE. Hor.
· 2	·22	6/8	D.	F. clds.; and ∨∩_ moving NE.; ∩_, and ∩ from N. to S. (by E.).
· 3	·23	6/8	D.	F. clds. moving NE.; ╲_ in the SE; ∨∩ in the E: ∩ from N. to SW. (by E.)
· 4	22· 0	7/8	D.	∩_, and ∩ in the Hor.; F. clds. and ∨∩_i moving NE.
· 5	· 1	4/8	G.	∩, and ∩ in the Hor.; ╲_i in the N. and NW.; ∨∩_i in NE.; and F. ∩i moving from SW. to NE.
· 6	· 2	3/8	G.	∩_, and ∩ in the E.; patches of ∨∩i extending from NE. to NW.; ∨∩_ in the NW: clear in the S and Zth.
· 7	· 3	4/8	G.	∨∩_; and D. F. ∩i moving from S. to NE.: Zth clear.
· 8	· 4	5/8	G.	∨∩_i moving from SW. to NE.: Zth clear.
· 9	· 5		A.	Few clds. scattered in the Hor.: ∨∩_ in the S.
·10	· 6	6/8	A.	∨∩_i in masses, moving NE.: raining lightly: Zth. clearing up.
·11	· 7	4/8	A.	∨∩_i scattered moving N.
·12	· 8	1/8	A.	∨∩_i scattered in the Hor.
·13	· 9	2/8	D.	∨∩_i moving NE.
·14	·10	2/8	D.	∨∩_i moving NE.
·15	·11	1/8	D.	∨∩_i in the NW., SW., S., SE., E. and NE. Hor: a light shower of rain at 11h. 26m.
·16	·12	4/8	D.	∨∩_i moving NE.
·17	·13	8/8	G.	∨∩_i moving NE. from SW.: a light shower of rain at 17h. 56m.
·18	·14	6/8	G.	∨∩_i moving from SW. to NE.; and from E. to W: raining.
·19	·15	8/8	G.	∨∩_i moving from SW. to NE.; and ∨∩i from SE. to NW.
·20	·16	7/8	G.	∨∩_i moving from SW. to NE.; and ∨∩i from SE. to NW.: a shower of rain at 20h. 31m.
·21	·17	7/8	A.	∩_ in the SW. and S. Hor.: detached ∩i in the remaining Hor.: masses of D. F. clds. scattered moving E.: ∨∩i above in the SW, and S. stationary.
·22	·18	7/8	A.	∩_, and ∩ in the Hor.: large masses D. F. clds. scattered moving rapidly NE.: ∨∩i above in the SW. and N. of Zth.: rain at 23h. 8m.
·23	·19	6/8	A.	∩_, and ∩ in the Hor.: D. masses of clds. scattered moving rapidly NE.: haze in the Zth.
23· 0	·20	7/8	A.	∨∩_i, and ∩i in the Hor.: two huge masses of D. F. clds. almost ∨∩i extending to Zth from the W. and S. Hor., both moving NE.: F. clds. in the Zth. moving also NE.: few drops of rain.

JUNE, 1846.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
23· 1	22·21	4/8	D.	⌒_; and ⌒i scattered in the Hor.: F. clds. moving NE.: ∖⌒ in the S., SW., and Zth.: ∖_ in the E. and SE.
· 2	·22	5/8	D.	⌒_, and ⌒i scattered in the Hor.: F. clds. moving NE.: ∖⌒ in S.; ∖_ in SE.: rain at 22h· 33m.
· 3	·23	4/8	D.	⌒_; and ⌒i scattered in the Hor: F. clds moving NE.: ∖_ and ∖i in SE.: Zth. clear.
· 4	23· 0	8/8	D.	∖⌒_i moving NE: ⌒_, and ⌒ from N to S. (by E): raining.
· 5	· 1	8/8	G.	∖⌒_i moving NE.; and a few ∖⌒i moving from NW. to SE.: drizzling rain: a rain bow in the SE.
· 6	· 2	6/8	G.	F. ⌒i moving from SW. to NE.; ⌒ in E, S and SW. Hor.; and ∖⌒, ∖_ scattered in the N. and NW.
· 7	· 3	6/8	G.	∖⌒_i moving NE from SW.; and a few ∖⌒ around the Zth· a shower of rain falling.
· 8	· 4	6/8	G.	∖⌒_i moving NE from SW.; and Zth. clear.
· 9	· 5	7/8	A.	∖⌒_i scattered throughout.
·10	· 6	7/8	A.	∖⌒_i moving E.
·11	· 7	5/8	A.	∖⌒_i scattered around the Hor.
·12	· 8	6/8	A.	∖⌒_i, in huge masses, moving NE.: drizzling rain.
·13	· 9	7/8	D.	∖⌒_i moving NE.: raining lightly.
·14	·10	7/8	D.	∖⌒_i moving NE: rain at 10h. 16m.
·15	·11	8/8	D.	∖⌒_i: raining lightly.
·16	·12	8/8	D.	∖⌒_i.
·17	·13	8/8	G.	∖⌒_i moving NE. from SW.: raining lightly.
·18	·14	8/8	G.	∖⌒_i moving NE. from SW: a shower of rain at 14h. 12m.
·19	·15	8/8	G.	∖⌒_i moving NE. from SW.; raining lightly.
·20	·16	8/8	G.	∖⌒_i moving NE. from SW.: raining lightly.
·21	·17	8/8	A.	Two strata of ∖⌒_i, the lower, in masses, moving rapidly N.: raining.
·22	·18	8/8	A.	Two strata of ∖⌒_i, the lower, in masses, moving rapidly SE: raining since the last observation.
·23	·19	8/8	A.	Two strata of ∖⌒_i, the lower, in masses, moving rapidly E.: raining since the last observation.
24· 0	·20	8/8	A.	∖⌒_i: two strata only in the S.; the lower moving E: raining since the last observation.
· 1	·21	8/8	D.	∖⌒_i two strata, the lower moving NE· /∖_ in the N. Hor.
· 2	·22	8/8	D.	∖⌒_i two strata the lower moving NE: /∖_ in the NW., N, SE. and S. Hor: rain at 22h. 40m.
· 3	·23	8/8	D.	∖⌒_i two strata, the lower moving NE.: heavy rain at 23h 15m
· 4	24· 0	8/8	D.	∖⌒_i in two strata; the lower moving NE.
· 5	· 1	8/8	G.	∖⌒_i moving NE. from SW., below; and overcast above with almost the same kind of clds.: a shower of rain at 5h 47m.
· 6	· 2	8/8	G.	⌒_ in the S.; ∖⌒_ moving from SW. to NE; and overcast above: raining.
· 7	· 3	8/8	G.	∖⌒_i in two strata, the lower, moving NE from SW.
· 8	· 4	8/8	G.	∖⌒_i in two strata, the lower, moving NE. from SW: a shower of rain at 8h. 52m.
· 9	· 5	6/8	A.	∖⌒_i scattered: Zth. partly clear
·10	· 6	7/8	A.	∖⌒_i in masses moving S.E.
·11	· 7	7/8	A.	∖⌒_i scattered.
·12	· 8	7/8	A.	∖⌒_i and undefined clds, through which the stars are faintly seen.
·13	· 9	8/8	D.	∖⌒_i.
·14	·10	8/8	D.	∖⌒_i: rain at 24h 1m.
·15	·11	7/8	D.	∖⌒_i.
·16	·12	5/8	D.	∖⌒_i scattered.
·17	·13	6/8	G.	∖⌒_i scattered: a few ∖⌒i and F. ⌒ moving from SW to NE.
·18	·14	8/8	G.	⌒_ in the W. extending to the Zth., ∖⌒_ in the E., and ∖i and ∖⌒ moving NE.
·19	·15	7/8	G.	⌒_ in the SE; ∖⌒_ in the E. and NE: ∖⌒ and F clds. moving from SW
24·20	24·16	8/8	G.	Overcast.
·21	·17	8/8	A.	⌒_, and ∖⌒_ in the Hor; large masses of D. F. clds below; and L F. clds. above.
·22	·18	8/8	A.	∖⌒i in masses moving NE., below; overcast above with undefined clds.: raining lightly
·23	·19	8/8	A.	∖⌒i in masses moving NE, below; overcast above with undefined clds.
25· 0	·20	8/8	A.	⌒_, and ∖⌒ in the Hor.: D. F. clds moving NE.
· 1	·21	7/8	D.	∖⌒, and ∖_ scattered; F. clds, moving NE.: ⌒ in the Hor.
· 2	·22	7/8	D.	—, and ⌒ in the Hor.; F. clds. moving NE: ∖_ and ∖⌒ scattered.
· 3	·23		D.	⌒ in the Hor, F. clds. and ∖⌒_ moving NE.: light rain 3h. 37m.
· 4	25· 0	8/8	D.	∖⌒_i; ⌒ in the NE., E. and SE. Hor.
· 5	· 1	8/8	G.	∖⌒_i throughout: a heavy shower of rain 5h. 20m
· 6	· 2	8/8	G.	∖⌒_i in two strata, the lower moving from SW. to NE, and the upper from SE. to NW.
· 7	· 3	8/8	G.	∖⌒_i: raining lightly: a heavy shower at 7h. 24m.
· 8	· 4	8/8	G.	∖⌒_i in large masses moving NE. below; overcast above: raining heavily.
· 9	· 5	8/8	A.	∖⌒_i: raining since the last observation.
·10	· 6	8/8	A.	∖⌒_: raining since the last observation.
·11	· 7	8/8	A.	∖⌒_i: a break SW. of Zth. through which the stars are seen.
·12	· 8	8/8	A.	∖⌒_i: a slight break SW. of Zth· no rain.
·13	· 9	8/8	D.	∖⌒_i: rain at 13h. 22m.
·14	·10	8/8	D.	∖⌒_i: raining very lightly.
·15	·11	7/8	D.	∖⌒_i: Zth. partly clear.
·16	·12	4/8	D.	∖⌒_i in the E., W., N. and S.: Zth. clear.
·17	·13	6/8	G.	∖⌒_i moving from S. to N.
·18	·14	8/8	G.	∖⌒_i moving from S. to NE: a light shower of rain at 18h. 47m.
·19	·15	8/8	G.	∖⌒_i moving from S. to NE.: raining lightly.
·20	·16	8/8	G.	∖⌒_i in two strata, the lower moving from SW. to NE.: raining very lightly
·21	·17	8/8	A.	∖⌒_i: raining since the last observation.
·22	·18	8/8	A.	∖⌒_i: raining since the last observation.
·23	·19	6/8	A.	∖⌒_i in two strata, the lower in masses moving Ed; drizzling rain.
26· 0	·20	8/8	A.	∖⌒_i in two strata, the lower moving rapidly E. from all directions: raining.
· 1	·21	8/8	D.	∖⌒_i raining very lightly: the lower stratum of ∖⌒_i moving NE.
· 2	·22	8/8	D.	∖⌒_i: raining lightly: the lower stratum of ∖⌒_i moving NE.
· 3	·23	8/8	D.	∖⌒_i: raining lightly: the lower stratum of ∖⌒_i moving NE.
· 4	26· 0	8/8	D.	∖⌒_i in two strata, the lower moving NE.: ⌒ in the NW. and SE. Hor: ∖_ in NW.
· 5	· 1	8/8	G.	∖⌒_i in two strata, the lower moving NE: ⌒ in the NW. and SE. Hor· ∖_ in NW
· 6	· 2	8/8	G.	∖⌒_i, and F. ⌒i moving from SW. to NE; and ∖⌒i moving from SE. to NW: a heavy shower of rain accompanied with a strong blast of wind commenced at 6h. 22m. and ceased at 6h 52m
· 7	· 3	[illegible]	G.	∖⌒_i in two strata, the lower moving from SW. to E.
· 8	· 4	5/8	G.	∖⌒_i scattered: clear around the Zth.: a light shower of rain at 8h. 20m.
· 9	· 5	8/8	A.	∖⌒_i in two strata, the lower in masses moving Ed
·10	· 6	8/8	A.	∖⌒_i in masses moving N. by E.: few breaks about the Zth
·11	· 7	8/8	A.	∖⌒_i below in masses running from all directions to NE: overcast above, through which the stars are faintly seen

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D. H.	D. H.			
26·12	26· 8	8/8	A.	∨⎽i below in masses moving from all directions to NE.: overcast above through which the stars are faintly seen: drizzling rain.
·13	· 9	8/8	D.	∨⎽i, below, in masses moving NE.: a shower of rain at 13h. 52m.
·14	·10	8/8	D.	∨⎽i below in masses moving NE.: rain at 4h. 14m.
·15	·11	6/8	D.	∨⎽i: raining.
·16	·12	8/8	D.	∨⎽i: raining lightly.
·17	·13	8/8	G.	∨⎽i: raining.
·18	·14	8/8	G.	∨⎽i: moving from SW. to NE.: a heavy shower of rain at 18h. 5m.
·19	·15	8/8	G.	∨⎽i moving NE. from all quarters: raining.
·20	·16	8/8	G.	∨⎽i: moving NE. from all quarters.: raining heavily since the last observation.
·21	·17	8/8	A.	∨⎽i in two strata, the lower in masses moving Ed.: raining since the last observation.
·22	·18	8/8	A.	∨⎽i in two strata, the lower in masses moving E: raining lightly since the last observation.
·23	·19	8/8	A.	∨⎽i in two strata, the lower in masses moving NE.: drizzling rain.
27· 0	·20	6/8	A.	∨⎽i in two strata, the lower in masses moving NE.
· 1	·21	8/8	D.	∨⎽i in two strata, the lower moving NE.: raining.
· 2	·22	8/8	D.	∨⎽i in two strata, the lower moving NE.: rain at 2h. 40m.
· 3	.23	8/8	D.	∨⎽i in two strata, the lower moving NE.: ⌒ in SE. Hor.: ∨⌒ in the E.
28· 4	28· 0	7/8	G.	∨⎽i in the SE. and NE.; L. F. ⌒∖i moving from SW. to NE. below.; and ∨⌒i from E. to W. above: a shower of rain at 4h. 18m. which lasted 10m.
· 5	· 1	8/8	G.	D. masses of ∨⎽i moving NE. from all quarters, below; and ∖i and ∨⌒i moving from NE. to W. above: a heavy shower of rain 2m. after the observation lasted 10m.
· 6	· 2	8/8	G.	D. ∨⎽i in large masses moving NE.; — from all quarters, below; and overcast above: a heavy shower of rain.
· 7	· 3	6/8	G.	D. ∨⎽i in large masses moving NE. from every direction: a shower of rain.
· 8	· 4	6/8	G.	∨⎽i, moving in two strata, the lower moving NE. from every directon; and overcast above through which the stars are dimly seen: shower of rain at 8h. 39m.
· 9	· 5	8/8	A.	∨⎽i, in masses, moving NE. below; overcast above through which the stars are faintly seen.
·10	· 6	8/8	A.	∨⎽i, in masses, moving NE below; overcast above through which the stars are faintly seen: rain 15m. before the observation.
·11	· 7	8/8	A.	∨⎽i, in masses, moving NE. below; overcast above.
·12	· 8	6/8	A.	∨⎽i, and undefined clds.: stars, shining faintly overhead: a shower of rain at 12h. 35m. lasted about 5m.
·13	· 9	8/8	D.	∨⎽i in two strata.
·14	·10	4/8	D.	∨⎽i in the E., W., N. and S.: Zth. clear.
.15	·11	6/8	D.	∨⎽i, scattered, moving NE.: Zth. partly clear.
·16	·12	5/8	D.	∨⎽i moving NE.
·17	·13	8/8	G.	∨⎽i moving NE.
·18	·14	8/8	G.	⌒⎽, in the NW.; ∨⎽ moving in scattered masses from SW. to NE. below; and overcast above: a light shower of rain.
·19	·15	8/8	G.	⌒⎽, and ∨⎽i moving N. from S.; and ∨⌒i and ∖i scattered throughout.
·20	·16	8/8	G.	D. ⌒⎽ in the S: ∨⎽ moving in two strata, the lower from SW. to NE.; and the upper from the S. to the N.: a shower of rain.
·21	·17	8/8	A.	D. F. ⌒∖i overhead; and ∨⎽ moving E. from all directions.
·22	·18	7/8	A.	∨⎽i, and D. F. clds. moving NE. from all directions: clear in SW.: a heavy shower of rain at 22h. 57m. lasted 4m.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
28·23	28·19	7/8	A.	∨⎽i around the Hor.: large masses of D. F. clds. moving NE. from all directions: SW. partly clear.
29· 0	·20	8/8	A.	∨⎽i, and D. F. clds. moving NE. from all directions: rain at 23h. 45m.
· 1	·21	8/8	D.	∨⎽i: raining.
· 2	·22	7/8	D.	∨⎽i; and F. clds. moving, NE., ∨⌒ above them in the Zth.
· 3	·23	6/8	D.	∨⎽i; and F. clds. moving NE.
· 4	29· 0	7/8	D.	∨⎽i; and F. clds. moving NE.: ⌒⎽ in the SE. and S. Hor.
· 5	· 1	8/8	G.	∨⎽i; and F. clds. moving NE., below, from SW.; ∨⌒i moving from NE. to SW., above; and ⌒⎽ in S. and NW.
· 6	· 2	8/8	G.	∨⎽i; and F. clds. moving NE., below, from different directions, and the upper from E. to W.: a shower of rain which lasted 5m., another at 6h. 49m.
· 7	· 3	8/8	G.	∨⎽i moving NE. from SW.: raining lightly.
· 8	· 4	8/8	G.	Overcast with ∨⎽i: raining heavily.
· 9	· 5	8/8	A.	Overcast with ∨⎽i: raining lightly.
·10	· 6	6/8	A.	Overcast with ∨⎽i in two layers, the lower in huge masses moving N.
·11	· 7	8/8	A.	∨⎽i in two strata, the lower in huge masses moving NE., SW.: clearing up: a few stars appearing through a break in the Zth.
·12	. 8	6/8	A.	∨⎽i moving N. from the W., SW. and S.: Zth. partly clear.
·13	· 9	7/8	D.	∨⎽i moving NE.: rain at 12h. 47m.
·14	·10	8/8	D.	∨⎽i in two strata, the lower moving NE.
·15	·11	4/8	D.	∨⎽i scattered moving NE.
·16	·12	5/8	D.	∨⎽i scattered, moving NE.: Zth. clear: rain at 11h. 35m.
·17	·13	6/8	G.	∨⎽i in scattered masses moving NE. below; and overcast above: raining.
·18	·14	8/8	G.	∨⎽i in scattered masses moving NE. below; and overcast above: raining lightly.
.19	·15	8/8	G.	∨⎽i in scattered masses moving NE. below; and overcast above.
·20	·16	8/8	G.	∨⎽i in scattered masses moving NE. below, the upper current from NW. to SE.: rain at 20h. 14m.
·21	·17	8/8	A.	∨⎽i in the Hor. D. F. clds. below; and ∨⌒i above both moving E. that rapidly and this slowly.
·22	.18	8/8	A.	∨⎽i in masses, below, moving NE.; overcast above with undefined clds. through which ⊙ shines, but casts no shadow: raining.
·23	·19	6/8	A.	∨⎽i; and D F. ⌒∖i moving E.
30· 0	·20	6/8	A.	∨⎽i around the Hor.: three strata, 1st D. F. clds., 2d of ∨⎽i, 3d of ∖i
· 1	·21	7/8	D.	⌒⎽ in the SE., S. and SW. Hor.; ∨⎽ in the other parts of the Hor.; ∖⎽ in E., W., N. and S.: ∨⌒i in the Zth.; and F. clds. moving NE.
· 2	·22	8/8	D.	⌒⎽; ∨⎽ in SW. N. and NE. Hor.: ∨⎽ in the Hor.: ∨⌒ throughout.
· 3	·23	7/8	D.	∨⎽i above, and below moving NE.; cirrus haze in the Zth.: halo around the ⊙: very strong wind at 3·17 followed by a shower of rain.
· 4	30· 0	8/8	D.	∨⎽i.
· 5	· 1	6/8	G.	∨⎽i moving NE. from SW., below; and a few masses of ⌒⎽ in the NW.
· 6	· 2	8/8	G.	∨⎽i moving NE. from SW., below: ∨⌒ SE and NW. above; and ⌒⎽ in the NW.: rain 6h. 16m.: a heavy shower of rain of 6h. 31m. lasted 9m.
· 7	· 3	6/8	G.	∨⎽i moving from SW. to NE.: a heavy shower of rain accompanied with strong wind at 7h. 27m. lasted 13m.
· 8	· 4	8/8	G.	∨⎽i moving from SW. to NE.: raining very lightly.
· 9	· 5	8/8	A.	∨⎽: no rain.
·10	· 6	8/8	A.	∨⎽i in two strata, the lower in masses from the W. and S. moving E.
·11	· 7	8/8	A.	∨⎽i moving E. from the SW., below; overcast, above, uniformly with undefined clds., through which stars are faintly seen.
·12	· 8	6/8	A.	∨⎽i in two strata, the lower in masses moving Nd.: rain 15m. before the observation.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
30·13	30· 9	8/8	D.	∨∩⎽i : no rain.
·14	·10	6/8	D.	∨∩⎽i in two strata, the lower moving NE.: rain at 14h. 14m.
·15	·11	8/8	D.	∨∩⎽i in two strata, the lower moving NE.
·16	·12	6/8	D.	∨∩⎽i scattered, moving NE.: stars visible through breaks in the Zth.
·17	·13	8/8	G.	∨∩⎽i in two strata, the lower, moving from W. to E.; and overcast above.
·18	·14	8/8	G.	∨∩⎽i in two strata, the lower, moving from W. to E; and overcast above: a heavy shower of rain at 18h. 19m.
·19	·15	8/8	G.	∨∩⎽i in two strata, the lower, moving from W. to E.; and overcast above.
·20	·16	8/8	G.	∨∩⎽i in two strata, the lower, moving from W. to E.; and overcast above.
·21	·17	8/8	A.	Large masses of ∨∩⎽ from the W.; and ∨∩⎽i from the SW. moving NE. and Ed., below; overcast, above, uniformly with undefined clds. through which ⊙ faintly shines.
·22	·18	8/8	A.	∨∩⎽i below moving E.; overcast above with undefined clds. through which the ⊙ shines, but casts no shadow.
·23	·19	8/8	A.	∨∩⎽i in large masses, from the NW., W. moving E., below; ∨∩⎽ in the Hor.; overcast above with ∨∩i and undefined clds. through which the ⊙ faintly shines.
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1· 0	·20	8/8	A.	∨∩⎽i below moving E. from all directions; overcast above with D.-F. clds.
· 1	·21	8/8	D.	∨∩⎽i in two strata, the lower moving NE.: rain at 0h. 47m.
· 2	·22	8/8	D.	∨∩⎽i in two strata, the lower moving NE.: — in SE. Hor.
· 3	·23	8/8	D.	∨∩⎽i in two strata, the lower moving E.: raining lightly.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
1· 4	1· 0	8/8	D.	∨∩⎽i in two strata, the lower moving NE.
· 5	· 1	6/8	G.	∨∩⎽i in two strata, the lower moving NE.
· 6	· 2	8/8	G.	∨∩⎽i in two strata, the lower moving NE.: rain at 6h. 18m.
. 7	· 3	6/8	G.	∨∩⎽i in two strata, the lower moving NE.
· 8	· 4	8/8	G.	∨∩⎽i in two strata, the lower moving NE.
· 9	· 5	8/8	A.	Overcast with undefined clds.
·10	· 6	8/8	A.	∨∩⎽i in two strata, the lower masses moving SE: rain commenced 2m. before the observation and lasted about 4m.
·11	· 7	8/8	A.	∨∩⎽i in two strata, the lower moving Ed.
·12	· 8	5/8	A.	∨∩⎽i throughout.
·13	· 9	8/8	D.	∨∩⎽i in two strata, the lower moving E.
·14	·10	8/8	D.	∨∩⎽i in two strata, the lower moving E.
·15	·11	6/8	D.	∨∩⎽i in two strata, the lower moving E.
·16	·12	8/8	D.	∨∩⎽i in two strata, the lower moving E.: a heavy shower of rain.
·17	·13	6/8	G.	∨∩⎽i in two strata, the lower moving E.
·18	·14	8/8	G.	∨∩⎽i in two strata, the lower moving E. from W.: rain at 18h. 52m.
·19	·15	8/8	G.	∨∩⎽i in two strata, the lower moving E. from W.
·20	·16	8/8	G.	∨∩⎽i in two strata, the lower moving E. from W.: raining lightly.
·21	·17	8/8	A.	∨∩⎽i in two strata, the lower moving SE. from all directions.
·22	·18	8/8	A.	∨∩⎽i in two strata, the lower moving SE. from all directions.
·23	·19	8/8	A.	∨∩⎽i in masses, below, moving from NW and W to NE., and from SW and S. to E.: thickly overcast above: a heavy shower of rain, accompanied by a squall, lasted 7m.
1· 0	1·20	8/8	A.	∨∩⎽i: raining.
· 1	·21	8/8	D.	∨∩⎽i: raining lightly.
· 2	·22	8/8	D.	∨∩⎽i: raining lightly.
· 3	·23	8/8	D.	∨∩⎽i moving E.: drizzling rain.
2· 4	2· 0	8/8	D.	∨∩⎽i in two strata, the lower moving E.: drizzling rain.
· 5	· 1	8/8	G.	∨∩⎽i in two strata, the lower moving E.; raining lightly.
· 6	· 2	8/8	G.	∨∩⎽i in two strata, the lower moving E.: raining lightly.
· 7	· 3	8/8	G.	∨∩⎽i in two strata, the lower moving NE.: raining lightly.
· 8	· 4	8/8	G.	∨∩⎽i in two strata, the lower moving NE.: raining lightly.
· 9	· 5	8/8	A.	∨∩⎽i in two strata, the lower, in huge masses, moving NE.
·10	· 6	8/8	A.	∨∩⎽i : raining very lightly.
·11	· 7	6/8	A.	∨∩⎽i : raining lightly.
·12	· 8	8/8	A.	∨∩⎽i in two strata, the lower, in masses, moving NE.: raining lightly.
·13	· 9	8/8	D.	∨∩⎽i in two strata, the lower, moving NE.: drizzling rain.
·14	·10	8/8	D.	∨∩⎽i in two strata, the lower, moving NE.
·15	·11	8/8	D.	∨∩⎽i in two strata, the lower moving NE.: light rain at 15h. 16m.
·16	·12	8/8	D.	∨∩⎽i in two strata, the lower, moving NE.
·17	·13	6/8	G.	∨∩⎽i in two strata, the lower, moving NE.: drizzling rain.
·18	·14	8/8	G.	∨∩⎽i in two strata, the lower, moving NE.: drizzling rain.
·19	·15	8/8	G.	∨∩⎽i in two strata, the lower, moving NE.: drizzling rain.
·20	·16	6/8	G.	∨∩⎽i in two strata, the lower, moving NE.: raining lightly.
·21	·17	6/8	A.	∨∩⎽i in two strata, the lower, moving NE.: drizzling rain.
·22	·18	6/8	A.	Overcast with ∨∩⎽i : raining.
·23	·19	6/8	A.	Few ∨∩i, below, moving NEd.; overcast, above, with undefined clds. through which the ⊙ shines faintly.
3· 0	·20	8/8	A.	Few ∨∩i, below, moving NEd.; overcast, above, with undefined clds. through which the ⊙ shines faintly.
· 1	·21	6/8	D.	∨∩⎽i in two strata, the lower moving NE.
· 2	·22	6/8	D.	∨∩⎽i in two strata, the lower moving NE.
· 3	·23	8/8	D.	∨∩⎽i in two strata, the lower moving NE.
· 4	3· 0	6/8	D.	∨∩⎽i ; ∨∩i in the NW., W., SW. and Zth ; ∖⎽ in the NW.: F. clds. moving NE.
· 5	· 1	8/8	G.	∨∩⎽i moving from SW. to NE., below; and ∨∩ from S. to N., above : rain at 6h. 22m.
· 6	· 2	7/8	G.	∨∩⎽i moving from SW. to NE., below; and ∨∩ from S. to N., above.
· 7	· 3	6/8	G.	∨∩⎽i in two strata, the lower moving from SW. to NE.
· 8	· 4	6/8	G.	∨∩⎽i in the E. and W.; ∨∩i, and L. F. clds. moving from SW. to NE.
· 9	· 5	8/8	A.	∨∩i moving NE.: ∩ and L. F. clds. around the Hor.
·10	· 6	8/8	A.	∨∩⎽i in masses, below, moving NE.; ∖⎽ above: a lunar halo.
·11	· 7	8/8	A.	∨∩⎽i in Hor.; ∖⎽, and ∖i through which stars are faintly shining: a lunar halo about 36° diameter.
·12	· 8	8/8	A.	∨∩⎽i in, huge masses, moving E. from the W., S. and N.: ∖i in the Zth through which the stars are shining faintly : rain at 12h. 47m.
·13	· 9	6/8	D.	∨∩⎽i, scattered, moving E.
·14	·10	3/8	D.	∨∩⎽i, scattered, moving E.
·15	·11	4/8	D.	∨∩⎽i, scattered, moving NE.
·16	.12	2/8	D.	∨∩⎽i in E., W., N. and S.: Zth. clear: raining.
·17	·13	6/8	G.	∨∩⎽i moving from W. to E., below : rain at 17h. 34m.
·18	·14	6/8	G.	∨∩⎽i moving from W. to E., below.
·19	·15	6/8	G.	∨∩⎽i moving NE. from SW.: Zth. quite clear.
·20	·16		G.	∨∩⎽i in SE., and E.; and huge masses F. ∩ moving from SW. to NE.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
3·21	3·17	5/8	A.	V⌒_i, and D. F. clds. in the Hor.: masses of D. F. clds. moving NE. from all directions.
·22	·18	7/8	A.	V⌒_i, and D. F. ⌒i in the Hor.: large masses of D. F. clds., below; and V⌒i above, both moving NE.
·23	·19	6/8	A.	V⌒_i, and D. F. ⌒i in the Hor.: D. F. clds. from the W. and S. moving NE.: ╲i in the Zth.
4· 0	·20	8/8	A.	V⌒_i in the Hor.: a huge mass of V⌒_i from the W. moving NE. below: D. F. clds. above: a shower of rain at 23h. 55m. lasted about 7m.
· 1	·21	6/8	D.	V⌒_i, and ⌒_i in the Hor.; and F. clds. moving NE.
· 2	·22	4/8	D.	⌒_ in the Hor.; and F. clds. moving NE.: ╲_i in the SE: rain at 2h. 46m.
· 3	·23	7/8	D.	⌒_ in the Hor.: V⌒_, F. clds. above; and V⌒_ below moving NE.
5· 4	5· 0	6/8	G.	Huge masses of D. F. ⌒, and V⌒_i moving from SW. to NE.: a few ╲i and V⌒i in S. and N.: a shower of rain at 3h. 45m.
· 5	· 1	3/8	G.	Huge masses of D. F. ⌒, and V⌒_i moving from SW. to NE.: ╲i scattered.
· 6	· 2	6/8	G.	V⌒_i in the W. Hor.: ⌒ in the SE. Hor.; large masses of F. ⌒ moving from SW. to NE. below; and ╲i scattered throughout.
· 7	· 3	5/8	G.	V⌒_i in Hor., all round; and F. ⌒i moving from SW. to NE., below: a heavy shower of rain.
· 8	· 4	3/8	G.	V⌒_i in the E., SE., and NE.; F. ⌒ moving NE. from SW.; and ╲i in the W.: a halo round the ☽.
· 9	· 5	5/8	A.	V⌒_i, and ⌒ in the Hor.: D. F. clds. scattered moving N., below; ╲i and ╲_ above: a faint lunar halo.
·10	· 6	6/8	A.	V⌒_i, in the Hor.: ╲_i, and ╲i.
·11	· 7	6/8	A.	V⌒_i, and ╲_: D. F. clds. from the W., S. and NW. to the E.
·12	· 8	7/8	A.	V⌒_i moving E. from all directions: a shower of rain at 11h. 52m. lasted about 4m.
·13	· 9	6/8	D.	⌒_, and ⌒ under V⌒_i in the Hor.: ╲i, and V⌒i scattered.
·14	·10	7/8	D.	V⌒_i in the Hor.: V⌒, and ╲i scattered: F. clds. moving slowly NE.: rain 15·00.
·15	·11	8/8	D.	V⌒_i: raining.
·16	·12	4/8	D.	V⌒_i moving NE.
·17	·13	5/8	G.	V⌒_i moving NW. from ES.
·18	·14	5/8	G.	⌒ in the W.; ╲i and V⌒i moving from SE. to NW., above; and F. ⌒ moving from SW. to NE.
·19	·15	6/8	G.	⌒_ in the E.; and ╲i in the S.: F. ⌒i moving NE. from SW.
·20	·16	5/8	G.	⌒, and ⌒_ in the Hor. all round; and L. F. clds moving from S. to N.
·21	·17	8/8	A.	⌒, and V⌒_i in the Hor.: L. F. clds. in the SW.: haze in the Zth.
·22	18	5/8	A.	V⌒_i below; and ╲i above, moving NE.
·23	·19	6/8	A.	V⌒_i; masses of D. F. clds. moving NE: haze above.
6· 0	·20	7/8	A.	V⌒_i; V⌒i moving NE.: light rain at 0h. 48m.
· 1	·21	7/8	D.	⌒_ in the N., NE., S., SW. and W. Hor.; ╲_ in the NW.: F. clds. and V⌒_ moving NE.
· 2	·22	7/8	D.	⌒_, and ⌒ in the Hor.; V⌒ in throughout: F. clds. underneath the V⌒ moving NE.
· 3	·23	7/8	D.	⌒_, and ⌒ in the Hor.; ╲_ and ╲i scattered: F. clds. moving NE.
· 4	6· 0	7/8	D.	⌒_, and ⌒ in the Hor.; ╲i, ╲_i and V⌒i scattered: F. clds. moving NE.
· 5	· 1	8/8	G.	V⌒_i moving uniformly NE. from SW.
· 6	· 2	8/8	G.	V⌒_i; and F. ⌒ moving in scattered masses from SW. to NE., below; and ╲i and V⌒i scattered above: a shower of rain at 8h. 40m.
· 7	· 3	7/8	G.	V⌒_i in two strata, the lower, moving from SW. to NE., and upper from W. to E.
· 8	· 4	7/8	G.	V⌒_i moving from SW. to NE., below; and D. ╲i scattered above.
6· 9	6· 5	6/8	A.	V⌒_i, and ⌒i in the Hor.: L. F. clds. scattered moving NE.: faint lunar halo.
·10	· 6	7/8	A.	V⌒_i, and ⌒i in the Hor.; L. F. clds. below, in the S. and W. moving E.; ╲i, and ╲_i above: a lunar halo.
·11	· 7	8/8	A.	V⌒_i, and ⌒i in the Hor.; L. F. clds. below, moving E. from all directions; ╲i and ╲_i above: a faint lunar halo.
·12	· 8	8/8	A.	V⌒_i, and ⌒i in the Hor.; L. F. clds. from the W. and SW. moving E. below; ╲i and ╲_i throughout, above: an imperfect lunar halo.
·13	· 9	7/8	D.	V⌒_i, and ⌒i in the Hor.; F. clds. and V⌒_i moving NE.
·14	·10	6/8	D.	V⌒_i in the Hor.; F. clds. moving NE.
·15	·11	6/8	D.	V⌒_i in the Hor.: V⌒, and ╲i scattered.
·16	·12	3/8	D.	V⌒_i in the E., W., N. and S.: Zth. clear.
·17	·13	8/8	G.	V⌒_i in two strata, the lower, moving from SW. to NE.; and overcast above.
·18	·14	8/8	G.	V⌒_i moving from SW. to NE., below; and overcast with D. ╲i, and ╲_ above.
·19	·15	8/8	G.	V⌒_i moving from SW. to NE., below; and overcast with D. ╲i, and ╲_ above.
·20	·16	8/8	G.	V⌒_i moving NE. from every direction: a light shower of rain 8m. before the observation.
·21	·17	8/8	A.	V⌒_i, and ⌒i in the Hor.; D. F. clds., V⌒_, and V⌒i in the SW. moving NE.
·22	·18	8/8	A.	V⌒_i, and ⌒i in the Hor; V⌒_i scattered, below; and L. F. clds. above both moving NE.: rain 4m. before the hour.
·23	·19	8/8	A.	V⌒_i, and ⌒i in the Hor.; L. F. clds. below, scattered moving NE.: ╲_, and ╲i throughout above.
7· 0	·20	8/8	A.	V⌒_i, and ⌒i in the Hor.; L. F. clds. from the W. and SW. moving N. by E.: uniformly overcast with ╲_i, and ╲i above: a solar halo.
· 1	·21	8/8	D.	V⌒_i, and ⌒i in the Hor.; L. F. clds. moving NE.: ╲i, and ╲_i throughout above.
· 2	·22	8/8	D.	V⌒_i, and ⌒i in the Hor.: L. F. clds. and V⌒_ moving NE.: ╲i, and ╲_i throughout above.
· 3	·23	8/8	D.	V⌒_i, and ⌒i in the Hor.; L. F. clds. and V⌒_ moving NE: ╲i, and ╲_i throughout above.
· 4	7· 0	8/8	D.	V⌒_i, and ⌒i in the Hor.; V⌒_i moving NE. below; and ╲_i and — above them stationary: a light shower of rain at 4h. 32m.
· 5	· 1	8/8	G.	V⌒_i in two strata, the lower moving from SW. to NE; and overcast above.
· 6	· 2	8/8	G.	V⌒_i in three strata moving NE., the uppermost apparently stationary.
· 7	· 3	8/8	G.	V⌒_i in three strata moving NE., the uppermost apparently stationary.
· 8	· 4	8/8	G.	V⌒_i moving uniformly from W. to E.
· 9	· 5	8/8	A.	D. F. clds. scattered, below, moving NE.; ╲_, and ╲i above: an imperfect lunar halo.
·10	· 6	8/8	A.	D. F. clds. in the Hor.: uniformly overcast with ╲_i, and ╲i: a lunar halo about 30° diameter.
·11	· 7	8/8	A.	V⌒_i below moving NE. from the W. and S.; overcast above, uniformly, with ╲_i, and ╲i: a lunar halo, its diameter about 30°.
·12	· 8	8/8	A.	V⌒_i in masses in the S. and W. moving NE., below; overcast above, uniformly, with ╲_i and ╲i: a lunar halo, its diameter about 30°.
·13	· 9	8/8	D.	V⌒_i in masses moving NE. from all directions.
·14	·10	4/8	D.	V⌒_i in the Hor.; L. F. clds. in the SW. and W. moving NE.
·15	·11	8/8	D.	V⌒_i in two strata, the lower, moving from SW. to NE.; and overcast above.
·16	·12	7/8	D.	V⌒_i in the Hor.; ╲_, and V⌒ scattered; and D. masses of L. F. clds. moving from SW. to NE. below: a shower of rain accompanied with strong wind at 16h. 56m. lasted 10m.

JULY, 1846.

Bombay Mean Time	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
7·17	7·13	8/8	G.	\⌒_i in two strata, the lower, moving uniformly NE. from SW.
·18	·14	7/8	G.	\⌒_i in scattered masses, moving from SW. to NE., below; and _i and \⌒i scattered above.
·19	·15	8/8	G.	\⌒_i in scattered masses, moving from SW. to NE, below; and _i and \⌒i scattered above: drizzling rain.
·20	·16	7/8	G.	⌒_, and ⌒ in the SE. and E: D. F. ⌒, below; and \i, \⌒i above moving NE. from SW.
.21	·17	8/8	A.	\⌒_i, and ⌒ in the Hor.; D. F clds. almost \⌒_, below, moving NE.: overcast above with undefined clds.
·22	·18	8/8	A.	\⌒_i, and ⌒ in the Hor. D. F. clds. almost \⌒_, moving NE. from all directions.
·23	·19	8/8	A.	\⌒_i, and ⌒ in the Hor; D. F. clds. scattered throughout moving NE.
8· 0	·20	7/8	A.	\⌒_i, and ⌒ in the Hor.; L. F. clds. below moving N. by E: _ and \i above moving very slowly SW.: few drops of rain 10 after.
· 1	·21	7/8	D.	\⌒_i, and ⌒ in the Hor.; L. F. clds. below moving NE.: \i, and _ scattered above.
· 2	.22	7/8	D.	\⌒_i, and ⌒ in the Hor.; L F. clds. below moving NE.; \, and _ scattered above.
· 3	·23	7/8	D.	\⌒_i, and ⌒ in the Hor.: L. F. clds. below, and \⌒_ moving NE.: \ and _ scattered above.
· 4	8. 0	8/8	D.	\⌒_i, and ⌒ in the Hor.; \⌒_ and F. clds. moving NE.; _i and \i above.
· 5	· 1	8/8	G.	D. masses of \⌒_i moving from SW. to NE., below; and D. \i and _i moving S. uniformly, above.
· 6	· 2	8/8	G.	Lower stratum of \⌒_i moving NE.; and D. \i, and _i scattered, above.
· 7	· 3	8/8	G.	\⌒_i in the Hor. moving NE; L. F. ⌒, and \⌒i moving from W. to E., below; and D. \i scattered above.
· 8	· 4	8/8	G.	\⌒_i; and D. F. clds. (scattered throughout) moving NE.
· 9	· 5	5/8	A.	\⌒_i, and D. F. clds. in the Hor.; _ around the Hor.: L. F. clds. in the SW. moving NE.
·10	· 6	8/8	A.	D. F. clds. moving NEd. from all directions: a break in SW.
·11	· 7	6/8	A.	D. F. clds. almost \⌒_i moving E. from all directions: clear in the SW. and W.: Zth. rapidly clearing up: a few drops of rain 10m. before the observation.
·12	· 8	3/8	A.	D. F. clds., almost \⌒_i in the Hor.; _ around the Hor.: L. F. clds. scattered overhead moving NE.
·13	· 9	6/8	D.	\⌒_i; and F. clds moving NE.: \⌒_i, and ⌒_ in the Hor.
·14	·10	4/8	D.	\⌒_i; and ⌒_ in the Hor.: \⌒ in the SW., W., NW., N. and Zth.
·15	·11	7/8	D.	\⌒_i in the Hor.; \⌒_i moving NE.: \⌒i above.
·16	·12	4/8	D.	⌒_, and ⌒ in the Hor.; \⌒ in the W.; and F. clds. moving NE.
·17	·13	8/8	G.	⌒_, and ⌒ in the Hor.; and F. clds. moving NE.
·18	·14	7/8	G.	⌒_, and ⌒ in the W. and NW. Hor.; \⌒_i, in scattered masses, moving from SW. to NE., below; and D. \i, \⌒i, and _i. scattered above.
·19	·15	7/8	G.	⌒_, and ⌒ in the S. and SE.; F. ⌒ moving, in scattered masses, from SW. to NE., below; and D. \i, _i and \⌒i scattered above.
·20	·16	7/8	G.	⌒_, and ⌒ NE.; \⌒_ in the S. and E.; and _i, \⌒i and L. F. clds. moving N. below: D. \i scattered above.
·21	·17	8/8	A.	⌒_, and ⌒i in the Hor.; three strata overhead, 1st of D. F. ⌒i almost \⌒i, 2nd of L. F. clds., 3rd of \i: _ around the Hor.
·22	·18	8/8	A.	⌒_i in the N. and S. Hor. moving Ed; ⌒ in the remaining Hor.: _i, and \i throughout moving W.
·23	·19	8/8	A.	⌒_, and ⌒ in the Hor.; _, and \i throughout.
9· 0	·20	8/8	A.	⌒_, and ⌒ in the Hor; D. F. clds. scattered below moving slowly NE.: _, and \i throughout, above.

Bombay. Mean Time.	Gottingen Mean Time,	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
9· 1	8·21	8/8	D.	⌒_, and ⌒ in the Hor.; D. F. clds. moving NE.: _i, and \i throughout above.
· 2	·22	8/8	D.	⌒_, and ⌒ in the Hor.; D. F. clds.: _i and \i throughout.
· 3	·23	7/8	D.	⌒_, and ⌒ in the Hor.; D. F. clds.: _i and \i throughout: F. clds. moving NE.: \⌒i in the S. and SE.
· 4	9· 0	8/8	D.	⌒_, and ⌒ in the Hor.; \⌒i in SE.: \i and _i throughout.
· 5	· 1	8/8	G.	⌒ in the Hor. all round; D. \i, _i, and L. F. clds. scattered throughout.
· 6	· 2	8/8	G.	\⌒_i in the W.: — in the E.; and D. \i, _i, and \⌒i scattered; a few masses of F. ⌒ moving from SW. to NE.
· 7	· 3	7/8	G.	\⌒_i in the SW.; — in the E.; ⌒ in the N.; and D. \i, and _i scattered: a few masses of F. ⌒ moving from SW. to NE.
· 8	· 4	7/8	G.	⌒_, and ⌒ all round the Hor.; and \i, and _i scattered throughout.
· 9	· 5	8/8	A.	⌒_ in the SW. gently moving N. along the Hor.; ⌒ in the remaining Hor.: few L. F. clds. scattered in the Zth. moving NEd.
·10	· 6	4/8	A.	D. F. ⌒ in the Hor.; _ in the S.; ⌒_ in the N. extending above the Hor. about 40°.
·11	· 7	5/8	A.	D. F. ⌒ in the Hor.; a huge mass of \⌒_i extending from the S. to Zth moving E.
·12	· 8	6/8	A.	D. F ⌒, and ⌒_ in the Hor.; _, and \i: Zth. clear.
·13	· 9	5/8	D.	\⌒_i, and ⌒ in the Hor; \⌒_ and F. clds. moving NE.; \i, and _i in the S. and SE.
·14	·10	6/8	D.	\⌒_i, and ⌒ in the Hor.; \⌒_ and F. clds. moving NE.: \i, and _i scattered.
·15	·11	8/8	D.	\⌒_i, and ⌒ in the Hor.; \⌒_ and F. clds, moving NE.: \i, and _i in the NW., N and NE.
·16	·12	8/8	D.	\⌒_i, in two strata, the lower moving NE.; \⌒_i, and ⌒ in the Hor.: _ in the NW.
·17	·13	8/8	G.	\⌒_i in two strata, the lower moving NE.
·18	·14	8/8	G.	\⌒_i in two strata, the lower moving NE.
·19	·15	8/8	G.	⌒_ in the W.; and D. \i, \⌒i, and _i scattered throughout.
·20	·16	8/8	G.	⌒_ in the W.; and D. \i \⌒i and _i scattered throughout.
·21	·17	8/8	A.	D. F. clds, and ⌒ in the Hor; L. F. clds. and \⌒i moving slowly W.
·22	·18	8/8	A.	Detached ⌒ in the Hor.: two strata, lower of L. F. clds. and the upper of _, \i both moving very slowly W; a D. F. cld. beneath these two strata in the N.
·23	·19	8/8	A.	Detached ⌒ in the Hor: two strata, lower of L. F. clds., and the upper of _, \i both moving very slowly W.
10· 0	·20	8/8	A.	⌒i extending from the NE. to S. Hor. (by E.); ⌒i in W. Hor.: \⌒i below moving W.: _i and \i throughout, above: a solar halo.
· 1	·21	8/8	D.	⌒ in the Hor.; \i, _i, and \⌒i scattered throughout.
· 2	·22	8/8	D.	⌒ in the Hor.; \⌒ throughout: F. clds. in the SE and SW.
· 3	·23	8/8	D.	⌒ in the Hor: ⌒ throughout.
· 4	10· 0	8/8	D.	\⌒_i throughout; ⌒ in the E. and SE. Hor.: \⌒_, and _ in the SE.
· 5	· 1	8/8	G.	— in the W.; ⌒ in the E. and SE.: and \i, _i, and \⌒i scattered.
· 6	· 2	8/8	G.	⌒ in the SE.; — in the W.: D. \i, and \⌒i moving from E. to W.
· 7	· 3	7/8	G.	_i, \i and, \⌒i scattered throughout.
· 8	· 4	4/8	G.	\⌒_i in the SE.; and \i, _i: — all round the Hor.
· 9	· 5	8/8	A.	_, \i, and D. F. clds.: \⌒i in the S.
·10	· 6	7/8	A.	D. F. clds.; _i, and \i moving Ed.
·11	· 7	8/8	A.	D. F. clds.: _i around the Hor: \⌒i and L. F. ⌒i moving S. by W.

JULY, 1846.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
10·12	10· 8	8/8	A.	∖⌒⌞i, and D. F. clds. extending from the SW. to N. Hor. (by W.); ⌒ in the remaining Hor.: ∖⌒i, and L. F. clds moving W. from all directions.
·13	· 9	8/8	D.	∖⌒⌞i, and D. F. clds. moving NE.
·14	·10	8/8	D.	∖⌒⌞i.
·15	·11	8/8	D.	∖⌒⌞i ; and ∖⌒i about the Zth.
·16	·12	8/8	D.	∖⌒⌞i ; and ∖⌒i about the Zth.
·17	·13	8/8	G.	∖⌒⌞i in two strata, the lower moving from SE. to NW.: a momentary shower of rain.
·18	·14	8/8	G.	∖⌒⌞i scattered two strata, lower moving from SE. to NW.
·19	·15	8/8	G.	⌒ in the W.; and D. ∖i, ∖⌒i, and ∖⌞ scattered.
·20	·16	8/8	G.	⌒ in the NW.; and D. ∖i, ∖⌒i, and ∖⌞ scattered.
·21	·17	6/8	A.	⌒, and ∖⌒⌞ in the Hor.; L. F. ⌒i in the NE.: L. F. clds., and ∖i moving slowly W.
·22	·18	8/8	A.	Two strata in the Hor., one of ⌒⌞, and the 2nd of ∖⌞: D. F. clds. in two layers from the W., SW. moving NE., the upper moving in contrary direction to the former.
·23	·19	8/8	A.	A large mass of D. F. clds. almost ∖⌒⌞ in the W. moving N.; ⌒ in the remaining Hor ; D. F. clds. below, and L. F. clds. above.
11· 0	·20	8/8	A.	D. F. clds. below moving N. from the W.; ⌒⌞, and ⌒ in Hor.: L. F. clds. moving gently SW. (above) from all directions.
· 1	·21	8/8	D.	D. F. clds. below from the W., SW. to the NE ; ⌒⌞, and ⌒ in the Hor.; ∖⌞i and L. F. clds. above moving SW.
· 2	·22	8/8	D.	⌒ in the Hor.; the rest overcast.
· 3	·23	8/8	D.	⌒ in the Hor.; ∖⌞i in the S. and SE.: the rest overcast.
12· 4	12· 0	8/8	G.	∖⌒⌞i scattered: a few ⌒ in the NW. and W. Hor.
· 5	· 1	8/8	G.	∖⌒⌞i scattered in two strata, the lower moving from SW. to NE.
· 6	· 2	8/8	G.	∖⌒⌞i scattered in two strata, the lower moving from SW. to NE.
· 7	· 3		G.	∖⌒⌞i scattered in two strata, the lower moving from NW. to SE.
· 8	· 4		G.	∖⌒⌞i scattered: stars faintly visible in the Zth.
· 9	· 5	7/8	A.	∖⌒⌞i scattered: lightning in the E.: thunder at 9h. 47m.
·10	· 6	8/8	A.	∖⌒i below, moving S. from all directions: overcast above with undefined clds. through which the stars are faintly visible.
·11	· 7	8/8	A.	∖⌒⌞i, and overcast above with undefined clds. through which the stars are faintly visible.
·12	· 8	8/8	A.	∖⌒⌞i below moving S.: overcast, above, with undefined clds. through which the stars are faintly seen.
·13	· 9	8/8	D.	∖⌒⌞i.
·14	·10	8/8	D.	∖⌒⌞i in two strata, the lower moving S.
·15	·11	8/8	D.	∖⌒⌞i in two strata, the lower moving S.: drizzling rain.
·16	·12	8/8	D.	∖⌒⌞i in two strata, the lower moving S.: light rain at 16h 14m. and again at 16h. 22m., with peals of thunder.
·17	·13	8/8	G.	∖⌒⌞i scattered in two strata, the lower moving SE.: drizzling rain : loud peals of thunder at 17h. 22m. in the NE., and again, after an interval of 5m.: a heavy shower at 7h. 52 m.
·18	·14	8/8	G.	∖⌒⌞i scattered in two strata, the lower moving from N. to S.: raining lightly.
·19	·15	8/8	G.	∖⌒⌞i scattered in two strata, the lower moving from N. to S.: raining lightly.
·20	·16	8/8	G.	∖⌒⌞i scattered in two strata, the lower moving from N. to S.: raining lightly.
·21	·17	8/8	A.	∖⌒⌞i, below, moving S.; overcast above with undefined clds.: raining very lightly.
12·22	12·18	8/8	A.	∖⌒⌞i extending from the N. to S. Hor. (by W.); ⌒ in the remaining Hor : D. F. clds. below moving S.; and ∖⌒i, and, F. clds. scattered, above, moving slowly Wd.
·23	·19	8/8	A.	∖⌒⌞i extending from the N. by E. to S. Hor. (by E.) ; ⌒i in the remaining Hor ; D F. clds. almost ∖⌒⌞i below, moving Sd.
13· 0	·20	8/8	A.	⌒ in the Hor.; D. F. clds. almost ∖⌒⌞i below, moving W. from all directions: L. F. clds., and ∖⌞ overhead through which the ⊙ faintly shines.
· 1	·21	8/8	D.	⌒⌞, and ⌒ in the Hor.: ∖i, and ∖⌒i scattered ; — in E., W., N. and S.: thin F. clds. moving SE.
· 2	·22	8/8	D.	∖⌒⌞i in two strata, the lower moving SE.; ⌒ under ∖⌒⌞i in the Hor.: thundering.
· 3	·23	8/8	D.	∖⌒⌞i ; and F. clds. moving SE.; ∖⌞ in the NW.: ⌒ in the Hor.: overcast above.
· 4	13· 0	8/8	D.	∖⌒⌞i moving SE. below ; overcast above; ⌒ in the Hor.: raining lightly.
· 5	· 1	8/8	G.	∖⌒⌞i in two strata, the lower moving from NW. to SE.: raining lightly.
· 6	· 2	8/8	G.	⌒ in the E. and SE.; and ∖⌒⌞i in two strata, the lower moving from NW. to SE.
· 7	. 3	8/8	G.	∖⌒⌞i scattered throughout: lightning in the E.
· 8	· 4	8/8	G.	∖⌒⌞i scattered throughout: lightning in the E.
· 9	· 5	8/8	A.	Overcast uniformly with ∖⌒⌞i.
·10	· 6	8/8	A.	Overcast uniformly with ∖⌒⌞i : raining.
·11	· 7	8/8	A.	Overcast uniformly with ∖⌒⌞i raining lightly.
·12	· 8	8/8	A.	Overcast uniformly with ∖⌒⌞i : lightning in the SW. Hor,
·13	· 9	8/8	D.	∖⌒⌞i in two strata, the lower moving S.
·14	·10	8/8	D.	∖⌒⌞i in two strata, the lower moving S.: heavy rain at 14h. 34m.
·15	·11	8/8	D.	∖⌒⌞i : raining : lightning in the N. at 15h. 44m.
·16	·12	8/8	D.	∖⌒⌞i : raining : thundering.
·17	·13	8/8	G.	∖⌒⌞.
·18	·14	8/8	G.	⌒ in the W. and NW.; and ∖⌒⌞i in two strata, the lower moving from SW. to NW.
·19	·15	8/8	G.	∖⌒⌞i in two strata, the lower moving from SW. to NE.
·20	·16	8/8	G.	∖⌒⌞i in two strata, the lower moving from SW. to NE.
·21	·17	8/8	A.	∖⌒⌞i : raining lightly.
·22	·18	8/8	A.	∖⌒⌞i in two strata, the lower moving SE.
·23	·19	8/8	A.	∖⌒⌞i of an indigo colour extended 75° above the SW. Hor., and 45° above the remaining Hor.: F. clds. scattered moving SW.: raining.
14· 0	·20	8/8	A.	Two strata, of clds. the lower of ∖⌒⌞i moving NE.: overcast above with undefined clds. through which the ⊙ shines, but casts on shadow.
· 1	·21	8/8	D.	∖⌒⌞i : raining very lightly.
· 2	·22	8/8	D.	∖⌒⌞i : ⌒ in the Hor.
· 3	·23	7/8	D.	∖⌒⌞i, and F. clds. throughout ; ⌒ in the Hor.: Zth. partly clear.
· 4	14· 0	8/8	D.	⌒ in the Hor.; ∖⌒⌞i, and F. clds. below moving E.; and. F. clds. above, moving W.
· 5	· 1	8/8	G.	∖⌒⌞i moving from SW. to NE., below; and overcast with F. clds. above.
· 6	· 2	8/8	G.	∖⌒⌞i moving in broken masses from SW. to NE., below ; and overcast above.
· 7	· 3	7/8	G.	∖⌒⌞i moving in broken masses from SW. to NE., below ; and overcast above.
· 8	. 4		G.	∖⌒⌞i moving in broken masses from SW. to NE., below ; and overcast above : lightning in NW. at 8h. 50m.
· 9	· 5	8/8	A.	∖⌒⌞i moving in broken masses from all directions to NE.; and overcast above in N. by W.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
14·10	14· 6	8/8	A.	∿i in masses, moving SE. below; overcast above with undefined clds.: lightning in the N. by W. Hor. at long intervals.
·11	· 7	8/8	A.	Detached ∿i, below, moving E.: overcast above with undefined clds. through which the stars are faintly seen.
·12	21· 8	8/8	A.	Detached ∿i below, moving E.: overcast above.
·13	· 9	8/8	D.	Detached ∿i, below, moving E: overcast above.
·14	·10	8/8	D.	Detached ∿i, below, moving E.: overcast above: light rain at 14h. 28m.
·15	·11	8/8	D.	Detached ∿i, below, moving E.: overcast above: lightly raining.
·16	·12	8/8	D.	Detached ∿i, below. moving E.: overcast above; raining very lightly.
·17	·13	8/8	G.	∿i moving, uniformly, from SW. to NE.
.18	·14	8/8	G.	⌒ in the W.; and ∿i moving uniformly from SW. to NE.
·19	·15	6/8	G.	⌒, and ⌒_ in the Hor.; ∿i in detached masses moving NE., below; and overcast above.
·20	·16	8/8	G.	∿i moving NE. from SW.
·21	·17	8/8	A.	∿i extending about 45° above the Hor.; F. clds, moving NE.: ☉ shines, but casts no shadow.
·22	·18	8/8	A.	Detached ∿i, below, moving NE.; overcast above, uniformly, with dense undefined clds.:
·23	·19	8/8	A.	∿i in two strata, the lower moving NE.: raining.
15· 0	·20	8/8	A.	∿i below; and F. clds. above both moving E.: drizzling rain.
· 1	·21	8/8	D.	∿i: raining.
· 2	·22	8/8	D.	∿i, and F. clds., below, moving NE.: overcast above: raining lightly.
· 3	·23	8/8	D.	∿i; and F. clds, below, moving NE.: overcast above: rain at 3h. 23m
· 4	15· 0	8/8	D.	∿i, below, moving E.; overcast above: raining lightly.
· 5	· 1	8/8	G.	A few ⌒ in the NW.; masses of D. F. clds. moving from W. to E.; and ∿i moving uniformly E.
· 6	· 2	8/8	G.	∿i moving uniformly E.: a shower of rain commenced 6h. 53m.
· 7	· 3	8/8	G.	Overcast with ∿i : raining heavily.
· 8	· 4	8/8	G.	Overcast with ∿i : raining heavily.
· 9	· 5	8/8	A.	Overcast with ∿i : raining.
·10	· 6	8/8	A.	Overcast with ∿i : incessantly raining since the last observation.
·11	· 7	8/8	A.	Overcast with ∿i : incessantly raining since the last observation.
·12	· 8	8/8	A.	Overcast with ∿i : incessantly raining since the last observation.
·13	· 9	8/8	D.	Overcast with ∿ : raining lightly.
·14	·10	8/8	D.	Overcast with ∿ : drizzling rain.
·15	·11	8/8	D.	Overcast with ∿ : drizzling rain.
·16	·12	8/8	D.	Overcast with ∿ : heavy rain.
·17	·13	8/8	G.	Overcast with ∿ : light rain.
·18	·14	8/8	G.	Overcast with ∿i, above, and lower current of the same moving towards the E.: raining.
·19	·15	8/8	G.	Overcast with ∿i above, and lower current of the same moving towards the E: raining.
·20	·16	8/8	G.	Overcast with ∿i above, and lower current of the same moving towards the E.: drizzling rain.
·21	·17	8/8	A.	∿i below moving E. from all directions, overcast above with dense undefined clds.: very lightly raining.
·22	·18	8/8	A.	∿i, and ⌒i around the Hor; F. clds. moving E: the ☉ shines, but casts no shadow.
·23	·19	8/8	A.	∿i, in masses, below moving E.; overcast above with dense clds
16· 0	·20	8/8	A.	∿i, in masses, below moving rapidly E; overcast uniformly with undefined clds through which the ☉ shines, but casts no shadow.
16· 1	15·21	8/8	D.	∿i, and ⌒ in the Hor.; D. F. clds. below; and ∽i and F. clds. above moving in contrary directions: rain at 2h. 45m.
· 2	·22	8/8	D.	∿i, below, moving E; overcast above: heavy rain at 2h. 25m.
· 3	·23	8/8	D.	∿i, below, moving E.; overcast above: raining lightly.
· 4	16· 0	8/8	D.	∿i, below; moving E.: overcast above: raining.
· 5	· 1	8/8	G.	∿i, below; moving E.: overcast above: raining.
· 6	· 2	8/8	G.	∿i, below; moving E.: overcast above; raining.
· 7	· 3	8/8	G.	∿i, below; moving E.: overcast above; raining.
· 8	· 4	8/8	G.	Overcast with ∿i : raining.
· 9	· 5	8/8	A.	Overcast with ∿i : raining.
·10	· 6	8/8	A.	Overcast with ∿i : drizzling rain.
·11	· 7	8/8	A.	Overcast with ∿i : drizzling.
·12	· 8	8/8	A.	Overcast with ∿i : drizzling.
·13	· 9	8/8	D.	Overcast with ∿i : drizzling.
·14	·10	8/8	D.	Overcast with ∿i : light rain at 14h. 46m.
·15	·11	8/8	D.	Overcast with ∿i : raining heavily.
·16	·12	8/8	D.	Overcast with ∿ ; raining lightly.
·17	·13	8/8	G.	Overcast above; and detached masses of ∿i moving E. below: raining.
·18	·14	8/8	G.	Overcast above; and detached masses of ∿i moving E. below: raining.
·19	·15	8/8	G.	Overcast above; and detached masses of ∿i moving E. below: raining.
·20	·16	8/8	G.	Overcast above; and detached masses of ∿i moving E. below: raining.
·21	·17	8/8	A.	∿i: raining.
·22	·18	8/8	A.	∿ in two strata, the lower moving E.: drizzling rain
·23	·19	6/8	A.	∿ in two strata, the lower moving E.: drizzling rain.
17· 0	·20	8/8	A.	∿ in two strata, the lover moving E.: raining.
· 1	·21	8/8	D.	∿ in two strata, the lower moving E.: raining.
· 2	·22	8/8	D.	∿ : raining heavily.
· 3	·23	8/8	D.	∿ : raining heavily.
· 4	17· 0	8/8	D.	∿i: raining.
· 5	· 1	8/8	G.	Lower stratum of ∿i moving from W. to E: raining.
· 6	· 2	8/8	G.	Lower stratum of ∿i moving from W. to E.: raining.
· 7	· 3	8/8	G.	Lower stratum of ∿i moving from W. to E.: raining very lightly.
· 8	· 4	8/8	G.	∿i : raining.
· 9	· 5	8/8	A.	∿i : raining very lightly.
·10	· 6	8/8	A.	∿i : raining.
·11	· 7	8/8	A.	∿i : raining heavily.
·12	· 8	8/8	A.	∿i: raining.
·13	· 9	8/8	D.	∿i: drizzling rain.
·14	·10	8/8	D.	∿i: raining
·15	·11	8/8	D.	∿i: raining.
·16	12	8/8	D.	∿i: raining.
17	·13	8/8	G.	∿i : raining heavily.
·18	.14	8/8	G.	∿i in two strata, the lower moving E.: raining.
·19	·15	8/8	G.	∿i in two strata, the lower moving E: a heavy shower of rain falling.
·20	·16	8/8	G.	∿i: in two strata, the lower moving E.: raining.
·21	·17	8/8	A.	∿i : raining.
·22	·18	8/8	A.	∿i in two strata, the lower moving E.: raining.
·23	·19	8/8	A.	∿i in two strata, the lower moving E.: raining.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
18· 0	17·20	8/8	A.	∿i below in masses moving E. from all directions : overcast above with undefined clds. through which the ☉ shines, but casts no shadow.
· 1	·21	8/8	D.	∿i below in masses moving E.; overcast above : rain at 1h. 37m.
· 2	·22	8/8	D.	∿i below in masses moving NE.; overcast above : raining.
· 3	·23	8/8	D.	∿i below in masses moving E.; overcast above : raining very lightly.
19· 4	19· 0	8/8	D.	Lower stratum of ∿i moving E. from the W.; and overcast above : raining.
· 5	· 1	8/8	G.	Lower stratum of ∿i moving E. from the W.; and overcast above : raining.
· 6	· 2	8/8	G.	Lower stratum of ∿i moving E. from the W.; and overcast above : raining.
· 7	· 3	8/8	G.	Overcast : raining.
· 8	· 4	8/8	G.	Overcast : raining.
· 9	· 5	8/8	A.	Overcast uniformly with ∿i : raining lightly.
·10	· 6	8/8	A.	Overcast uniformly with ∿i : raining lightly.
·11	· 7	8/8	A.	Overcast uniformly with ∿i : raining lightly.
·12	· 8	8/8	A.	Overcast uniformly with ∿i : raining.
·13	· 9	8/8	D.	Overcast uniformly with ∿i : raining.
·14	·10	8/8	D.	Overcast uniformly with ∿i : raining.
·15	·11	8/8	D.	Overcast uniformly with ∿i : raining.
·16	·12	8/8	D.	Overcast uniformly with ∿i : drizzling rain.
·17	·13	8/8	G.	∿i in two strata, the lower moving E.: drizzling rain.
·18	·14	8/8	G.	∿i in two strata, the lower moving E. drizzling rain : a heavy shower at 17h. 15m.
·19	·15	8/8	G.	∿i in two strata, the lower moving E.: raining lightly.
·20	·16	8/8	G.	∿i in two strata, the lower moving E.: raining lightly.
·21	·17	8/8	A.	∿i : raining.
·22	·18	8/8	A.	∿i below, in masses, moving E.: overcast, above, with undefined clds. through which the ☉ shines, but casts no shadow.
·23	·19	8/8	A.	∿i, below, in masses, moving SE.; overcast, above, with undefined clds.
20· 0	·20	8/8	A.	∿i in two strata, the lower moving E.
· 1	·21	8/8	D.	∿i in two strata, the lower moving E.: heavy rain with a squall of wind at 1h. 15m.
· 2	.22	8/8	D.	∿i : raining.
· 3	·23	8/8	D.	∿i : raining.
· 4	20· 0	8/8	G.	∿i : raining very lightly.
· 5	· 1	8/8	G.	∿i in two strata, the lower moving from SW. to NE.: drizzling rain : heavy rain with a heavy gust of wind at 6h 47m.
· 6	· 2	8/8	G.	∿i in two strata, the lower moving from SW. to NE.: raining.
· 7	· 3	8/8	G.	∿i in two strata, the lower moving from SW. to NE.: raining.
· 8	· 4	8/8	A.	∿i in two strata, the lower moving from SW. to NE : raining.
· 8	· 5	8/8	A.	∿i below, in masses, moving NE. from all directions : overcast above with D. undefined clds. Zth. perfectly clear a few minutes before the observations.
·10	· 6	8/8	A.	∿i below, in masses, moving NE. from all directions : overcast above with D. undefined clds.
·11	· 7	8/8	A.	Overcast uniformly with ∿ : raining.
·12	· 8	8/8	D.	Overcast uniformly with ∿ : rain at 12h. 42.
·13	· 9	8/8	D.	Overcast uniformly with ∿ : raining.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
20·14	20·10	8/8	D.	Overcast uniformly with ∿ : no rain.
·15	·11	8/8	D.	Overcast uniformly with ∿ : raining.
·16	·12	8/8	D.	Overcast uniformly with ∿ : raining heavily.
·17	·13	8/8	G.	Overcast uniformly with ∿ : raining heavily.
·18	·14	8/8	G.	∿i in two strata, the lower moving from W. to E.: raining lightly.
.19	·15	8/8	G.	∿i in two strata, the lower moving from W. to E.: raining lightly.
·20	·16	8/8	G.	∿i moving uniformly from W. to E.: raining heavily.
·21	·17	8/8	A.	Overcast uniformly with ∿i : raining heavily.
·22	·18	8/8	A.	∿i in two strata, the lower moving NE.: raining.
·23	·19	8/8	A.	Overcast uniformly with ∿i : raining.
21· 0	·20	8/8	A.	Overcast uniformly with ∿i : raining since the last observation.
· 1	·21	8/8	D.	Overcast uniformly with ∿ : raining.
· 2	·22	8/8	D.	∿i in two strata, the lower moving NE.: raining lightly.
· 3	·23	8/8	D.	∿i in two strata, the lower moving NE.: raining lightly.
· 4	21· 0	8/8	D.	∿i in two strata, the lower moving NE.
· 5	· 1	8/8	G.	∿i in two strata, the lower moving NE.: raining lightly, and heavily 25m. after the observation.
· 6	· 2	8/8	G.	∿i, in detached masses, moving E. from W., below ; and overcast above : raining.
· 7	· 3	8/8	G.	∿i in detached masses, moving E. from W., below ; and overcast above: raining.
· 8	· 4	8/8	G.	Overcast with ∿i : raining.
· 9	· 5	8/8	A.	Overcast uniformly with ∿i : raining lightly.
·10	· 6	8/8	A.	Overcast uniformly with ∿i : raining thinly.
·11	· 7	8/8	A.	Overcast uniformly with ∿i : no rain.
·12	· 8	8/8	A.	∿i below, in masses, moving SE.; overcast, above, with undefined clds. through which the stars are faintly seen only in the Zth.
·13	· 9	8/8	D.	∿i : raining.
·14	·10	8/8	D.	∿i : raining very lightly.
·15	·11	8/8	D.	∿i : raining very lightly.
·16	·12	8/8	D.	∿i.
·17	·13	8/8	G.	∿i, in detached masses, moving E.; and uniformly overcast above : raining heavily.
·18	·14	8/8	G.	∿i moving uniformly E.: raining heavily.
·19	·15	8/8	G.	∿i in two strata, the lower moving E.: raining lightly, and heavily at 15h. 23m.
·20	·16	8/8	G.	∿i in two strata, the lower moving E.: raining.
·21	·17	8/8	A.	Overcast uniformly with ∿i : raining.
·22	·18	8/8	A.	∿i in two strata, the lower, in masses, moving E. from all directions : raining.
·23	·19	8/8	A.	∿i below, in masses, moving E.; overcast, above, uniformly with D. undefined clds.: raining.
22· 0	·20	8/8	A.	∿i below, in masses, moving E.; from all directions ; overcast above uniformly with D. undefined clds.; drizzling rain.
· 1	·21	8/8	D.	∿i below, in masses, moving E.; overcast above : rain at 1h. 40m.
· 2	·22	8/8	D.	∿i below, in masses, moving E.; overcast above : drizzling rain.
· 3	·23	8/8	D.	Overcast with ∿i : ∿ in the Zth.: not raining.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
22. 4	22· 0	8/8	G.	∿i in two strata, the lower moving NE.: raining.
· 5	· 1	8/8	G.	∿i in two strata, the lower moving NE.: a heavy shower of rain at 5h. 48m.
· 6	· 2	8/8	G.	∿i in two strata, the lower moving NE.: a little break in the W.: raining lightly.
· 7	· 3	8/8	G.	∿i in two strata, the lower moving from SW. to NE.: a few breaks in the W.
· 8	· 4	7/8	G.	∿i in broken masses moving from SW. to NE. below; and overcast above: partly clear around the Zth.: rain 8m. after the observation.
· 9	· 5	8/8	A.	∿i in the Hor. moving NE.: stars shining brilliantly through breaks.
·10	· 6	7/8	A.	∿i in large masses from the W. and SW.; and ∿i scattered both moving NE.: Zth. partly clear.
·11	· 7	7/8	A.	∿i moving NE. from all directions: Zth partly clear.
·12	· 8	8/8	A.	∿i in masses below moving NE. from all directions: overcast above, uniformly, with D. undefined clds.
·13	· 9	8/8	D.	∿i in masses below moving NE. from all directions: overcast above.
·14	·10	8/8	D.	∿i in masses below moving NE. from all directions: overcast above.
·15	·11	8/8	D.	∿i: drizzling rain.
·16	·12	7/8	D.	∿ : drizzling rain.
·17	·13	8/8	G.	∿i.
·18	·14	8/8	G.	∿i.
·19	·15	8/8	D.	Overcast with ∿i: drizzling rain.
·20	·16	8/8	G.	Overcast with ∿i: not raining.
·21	·17	8/8	A.	∿i in two strata, the lower moving NE.: raining heavily.
·22	·18	8/8	A.	∿i in the Hor.; and ∿ from the S., SW. moving in large masses E: D. F. clds. moving NE.
·23	·19	8/8	A.	∿i in the Hor.: F. ⌒i almost ∿i overhead; and D. F. clds. both moving NEd.: a shower of rain commenced at 23h 52m.
23· 0	·20	8/8	A.	∿i, and ⌒ in the Hor.; D. F. clds. and ∨⌒i both moving NE.: raining lightly.
· 1	·21	8/8	D.	⌒ in the Hor: ∿i, below, moving NE.: ∨⌒i above.
· 2	·22	7/8	D.	⌒ in the Hor.; F. clds. and ∿ below, moving NE.: ∨⌒i above.
· 3	·23	5/8	D.	∿, and ⌒ in the Hor.: thin F. clds. moving Ed., below; and ∨⌒ scattered, above.
· 4	23· 0	6/8	D.	∿i; ⌒ under ∿i in the Hor.: raining.
· 5	· 1	8/8	G.	∿i.
· 6	· 2	8/8	G.	∿i: drizzling rain.
· 7	· 3	8/8	G.	Overcast with ∿i.
· 8	· 4	5/8	G.	Overcast with ∿i.
· 9	· 5	6/8	A.	∿i in two strata.
·10	· 6	6/8	A.	∿i in two strata, the lower in large masses moving NE.
·11	· 7	8/8	A.	Overcast uniformly with ∿ : raining.
·12	· 8	8/8	A.	Overcast uniformly with ∿i.
·13	· 9	6/8	D.	∿i: raining lightly
·14	·10	8/8	D.	Overcast with ∿.
·15	·11	8/8	D.	Overcast with ∿.
·16	·12	6/8	D.	Overcast with ∿ : stars visible in the Zth.
·17	·13	8/8	G.	∿i moving uniformly from W. to E; and a shower of rain at 17h. 52m.
·18	·14	6/8	G.	∿i in two strata, the lower moving from W. to E, and the upper from SW. to N.
·19	·15	8/8	G.	∿i in two strata, the lower moving from W. to E.: raining lightly.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
23·20	23·16	8/8	G.	∿i in two strata, the lower moving W. to E: a shower of rain just commencing.
·21	·17	8/8	A.	∿i throughout: drizzling rain.
·22	·18	6/8	A.	∿i below, in masses, moving E. from all directions: overcast, above, uniformly with undefined clds. moving also E: drizzling rain.
·23	·19	8/8	A.	∿i in two strata, the lower in huge masses moving to the E. by S. from all directions: drizzling rain.
24· 0	·20	8/8	A.	Overcast uniformly with ∿i: raining.
· 1	·21	6/8	D.	Overcast uniformly with ∿i: raining heavily.
· 2	·22	8/8	D.	Overcast uniformly with ∿i: raining.
· 3	·23	6/8	D.	Overcast uniformly with ∿i: raining.
· 4	24· 0	8/8	D.	∿i: raining.
· 5	· 1	5/8	G.	∿i: raining.
· 6	· 2	8/8	G.	∿i in two strata, the lower moving E.: raining lightly.
· 7	· 3	8/8	G.	∿i in two strata, the lower moving E.: raining lightly.
· 8	· 4	6/8	G.	Overcast with ∿i: raining.
· 9	· 5	8/8	A.	∿i in two strata, the lower moving E: drizzling rain.
·10	· 6	8/8	A.	Overcast uniformly with ∿i: raining heavily.
·11	· 7	8/8	A.	Overcast uniformly with ∿ : raining lightly since the last observation.
·12	· 8	8/8	A.	Overcast uniformly with ∿ : raining lightly since the last observation.
·13	· 9	6/8	D.	Overcast uniformly with ∿ : raining.
·14	·10	8/8	D.	Overcast uniformly with ∿ : raining lightly.
·15	·11	8/8	D.	Overcast uniformly with ∿ : raining very lightly.
·16	·12	5/8	D.	Overcast uniformly with ∿ : raining.
·17	·13	6/8	G.	∿i moving, uniformly, from W. to E.: a shower of rain falling.
·18	·14	6/8	G.	∿i moving, uniformly, from W. to E.: rain 2m. after the observation.
.19	·15	6/8	G.	∿i in two strata, the lower moving from W. to E.: drizzling rain.
·20	·16	5/8	G.	∿i in two strata, the lower moving from W. to E.: raining lightly.
·21	·17	8/8	A.	∿i in two strata, the lower in masses, moving with great velocity to the S. by E: drizzling rain.
·22	·18	8/8	A.	∿i in two strata, the lower in masses, moving with great velocity to the S. by E: drizzling rain.
·23	·19	5/8	A.	∿i in two strata, the lower moving E.: raining lightly since the lie observation.
25· 0	·20	8/8	A.	∿i in two strata, the lower in small masses moving rapidly E: raining since the last observation.
· 1	·21	8/8	D.	∿i in two strata, the lower moving NE: raining since the last observation.
· 2	·22	8/8	D.	∿i in two strata the lower moving NE: raining lightly since the last observation
· 3	·23	8/8	D.	∿i throughout: raining very lightly since the last hour.
26· 4	26· 0	8/8	G.	∨⌒i moving uniformly from W to E: raining.
· 5	· 1	8/8	G.	∿i moving uniformly from W. to E.: raining.
· 6	· 2	8/8	G.	∿i moving uniformly from W. to E raining: a heavy shower of rain at 6h. 58m
· 7	· 3	8/8	G.	∿i: raining heavily; the rain abated at 7h. 22m.
· 8	· 4	8/8	G.	∿i: raining lightly.
· 9	· 5	8/8	A.	∿i: raining very lightly.

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Bombay, Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
26·10	26· 6	8/8	A.	∿̲i in two strata, the lower in large masses moving from the W. and S. to the E: rain has commenced falling.
·11	· 7	8/8	A.	∿̲i in two strata, the lower in large masses moving rapidly from the W. and S. to the E.: drizzling rain.
·12	· 8	8/8	A.	A large mass of ∿̲i from the NW., below, moving E.; overcast above uniformly with ∿̲i.
·13	· 9	8/8	D.	Overcast with ∿̲i : rain at 12h. 47m.
·14	·10	8/8	D.	Overcast with ∿̲i : very light rain.
·15	·11	8/8	D.	Overcast with ∿̲.
·16	·12	8/8	D.	Overcast with ∿̲i : rain at 16h. 12m.
·17	·13	8/8	G.	∿̲i moving, uniformly, from W. to E: raining very lightly: a heavy shower of rain which lasted 25m.
·18	·14	8/8	G.	∿̲i moving, uniformly from W. to E: raining very lightly.
·19	·15	8/8	G.	∿̲i moving, uniformly, from W, to E.
·20	·16	8/8	G.	Densely overcast with ∿̲i in the N. and E.: a few breaks in the W. and ∿i above, and ∿̲i below both moving from E. to W.
·21	·17	8/8	A.	∿̲i in two strata, the lower moving E.
·22	·18	8/8	A.	∿̲i, and ∩ in the Hor.: scud and D. F. clds. below; F. clds., above, both moving E.
·23	·19	8/8	A.	∿̲i, and ∩ around the Hor.; ∿i overhead; and F. clds. moving E.
27· 0	·20	8/8	A.	∿̲i below, in masses, moving NE; overcast above, uniformly, with D. clds. almost ∿̲i.
· 1	·21	8/8	D.	Overcast with ∿̲ i : a light shower of rain.
· 2	·22	7/8	D.	∿̲i in two strata, the lower moving E.; overcast above.
· 3	.23	8/8	D.	∿̲i in two strata, the lower moving NE.; overcast above: raining lightly.
· 4	27· 0	8/8	D.	∿̲i in two strata, the lower moving NE; overcast above: rain at 4h. 42m.
· 5	· 1	8/8	G.	∿̲i in two strata, the lower moving NE; overcast above: a heavy shower of rain at 5h. 27m.
· 6	· 2	8/8	G.	Uniformly overcast with ∿̲i.
· 7	· 3	8/8	G.	∿̲i moving, uniformly, from SW. to NE.
· 8	· 4	8/8	G.	∿̲i in two strata, the lower moving from SW. to NE; and overcast above: a heavy shower of rain at 8h. 27m.
· 9	· 5	8/8	A.	Overcast uniformly with ∿̲i.
·10	· 6	8/8	A.	Thickly overcast with ∿̲i : drizzling rain.
·11	· 7	8/8	A.	∿̲i, in masses, below moving NE.; overcast above with D. undefined clds.
·12	· 8	8/8	A.	∿̲i throughout.
·13	· 9	8/8	D.	∿̲i throughout.
·14	·10	8/8	D.	∿̲i throughout : rain at 24h. 58m
.15	·11	8/8	D.	∿̲i throughout.
·16	·12	8/8	D.	∿̲i throughout.
·17	·13	8/8	G.	∿̲i throughout.
·18	·14	8/8	G.	∿̲i in detached masses moving from W. to E. below; and uniformly overcast above with ∿̲i.
·19	·15	8/8	G.	∿̲i in detached masses moving from W to E. below; and uniformly overcast above with ∿̲i.
·20	·16	8/8	G.	∿̲i in detached masses moving from W. to E. below; and uniformly overcast above with ∿̲i.
·21	·17	8/8	A.	∿̲i, in masses, below moving E.; overcast above with undefined clds., through which the ⊙ shines, but casts no shadow.
·22	·18	8/8	A.	∿̲i from the W. and N. moving E.; overcast above with undefined clds. through which the ⊙ shines, but casts no shadow.
·23	·19	8/8	A.	∿̲ like clds. around the Hor.; ∿i overhead, and L. F. clds. both moving slowly E.
28· 0	27·20	8/8	A.	∿̲ in masses moving rapidly from the S., W. and NW. to the E. by N. below; overcast above with undefined clds.: in a few moments the sky became overcast with ∿̲i, and rain followed, but lasted about minute.
· 1	·21	8/8	D.	∿̲i in two strata, the lower moving NE.; overcast above : raining.
· 2	·22	8/8	D.	∿̲i in two strata, the lower moving NE.; overcast above.
· 3	·23	8/8	D.	∿̲i in two strata, the lower moving NE.; overcast above : light rain.
· 4	28· 0	8/8	D.	∿̲i in two strata, the lower moving NE.; overcast above.
· 5	· 1	8/8	G.	∿̲i moving, uniformly, from W to E.: rain 6h. 22m.
· 6	· 2	8/8	G.	∿̲i moving, uniformly, from W. to E.: a shower of rain at 6h. 45m.
· 7	· 3	8/8	G.	∿̲i moving, uniformly, from W. to E.: a shower of rain at 7h. 45m.
· 8	· 4	8/8	G.	∿̲i moving, uniformly, from W. to E.
· 9	· 5	8/8	A.	∿̲i, in masses, moving from the SW., W. and NW. to the E., below; overcast above with L. F. clds. through which the stars are faintly seen: a heavy shower of rain 10m. after the observations.
·10	· 6	8/8	A.	Overcast, uniformly, with ∿̲i,
·11	· 7	8/8	A.	∿̲i, in masses, below from the W. and NW. moving E: overcast, above, with D. clds.: raining very lightly.
·12	. 8	8/8	A.	Overcast, uniformly, with ∿̲.
·13	· 9	8/8	D.	Overcast, uniformly, with ∿̲i : light rain at 13h. 25m.
·14	·10	8/8	D.	Overcast, uniformly, with ∿̲i : raining.
·15	·11	8/8	D.	Overcast, uniformly, with ∿̲i.
·16	·12	8/8	D.	Overcast, uniformly, with ∿̲i.
·17	·13	8/8	G.	∿̲i moving, uniformly, from W. to E.
·18	·14	8/8	G.	∿̲i in two strata the lower moving from W. to E.; and overcast above with ∿̲i : drizzling rain at 18h. 22m.; a shower of rain at 18h. 42m.
.19	·15	8/8	G.	∿̲i in two strata, the lower, moving from W. to E.; and overcast above with ∿̲i : a shower of rain at 19h. 22m.: a heavy shower at 15h. 40m.
·20	·16	8/8	G.	Uniformly overcast with ∿̲i : drizzling rain.
·21	·17	8/8	A.	∿̲i, in masses, moving from the SW. to E., and from the W. and NW. to the NE. below; overcast above uniformly with ∿̲i like clds.: a shower of rain lasted 5m.
·22	.18	8/8	A.	∿̲i in two layers, the lower moving rapidly E.: raining.
·23	·19	8/8	A.	∿̲i moving from all directions to the E., below; overcast above uniformly with D. F. clds.: drizzling rain.
29· 0	·20	8/8	A.	∿̲i moving from the SW. to the E.; D. undefined clds. moving NE.
· 1	·21	8/8	D.	∿̲i in two strata, the lower moving E.: overcast above.
· 2	·22	8/8	D.	∿̲i ; and F. clds. below moving E.: overcast above.
· 3	·23	8/8	D.	∿̲i below moving E.; overcast above : rain at 3h. 25m.
· 4	29· 0	8/8	D.	∿̲i, and F. clds. below, moving E.: overcast above.
· 5	· 1	8/8	G.	∿̲i, and F. clds. below; and D. ∿ above moving E. from W.
· 6	· 2	8/8	G.	∿̲i in two strata, the lower moving from W. to E.; and overcast above.
· 7	· 3	8/8	G.	∿̲i in two strata, the lower moving from W. to E.; and overcast above.
· 8	· 4	8/8	G.	∿̲i in two strata, the lower moving from W. to E.; and overcast above.
· 9	· 5	8/8	A.	Detached ∿̲i below moving E.: overcast uniformly with ∿̲ above.
·10	· 6	8/8	A.	Detached ∿̲i below moving E.; overcast uniformly with ∿̲ above: raining very lightly.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
29·11	29· 7	8/8	A.	∨⌊i in two strata, the lower in huge masses from the W. and SW. moving to E. by S.: raining very lightly.
·12	· 8	8/8	A.	Overcast uniformly with ∨⌊i.
·13	· 9	8/8	D.	Overcast uniformly with ∨⌊i; drizzling rain.
·14	·10	6/8	D.	Overcast uniformly with ∨⌊i.
·15	·11	8/8	D.	Overcast uniformly with ∨⌊i: rain at 11h. 34m.
·16	·12	8/8	D.	Overcast uniformly with ∨⌊i.
·17	·13	8/8	G.	∨⌊i moving, uniformly, from W. to E.: drizzling rain.
·18	·14	8/8	G.	∨⌊i in two strata, the lower moving from W. to E.; and overcast above: rain at 18h. 57m.
·19	·15	8/8	G.	∨⌊i in two strata, the lower moving from W. to E.; and overcast above.
·20	·16	8/8	G.	∨⌊i in two strata, the lower moving from W. to E.; and overcast above.
·21	·17	8/8	A.	∨⌊i in two strata, the lower moving E. from all directions,
·22	·18	8/8	A.	∨⌊i in two strata, the lower moving E. from all directions.
·23	·19	8/8	A.	∨⌊i in two strata, the lower moving rapidly Ed. from all directions: raining lightly.
30· 0	·20	8/8	A.	∨⌊i in two strata, the lower moving rapidly E. from all directions: raining lightly.
· 1	·21	8/8	D.	∨⌊i below moving E.; overcast above: rain at 1h. 45m.
· 2	·22	8/8	D.	∨⌊i below moving NE.: overcast above.
· 3	·23	8/8	D.	∨⌊i below moving E.; overcast above: light rain at 3h. 52m.
· 4	30· 0	8/8	D.	∨⌊i below moving NE.; overcast above: a shower of rain at 4h. 38m.
· 5	· 1	8/8	G.	∨⌊i moving uniformly from W. to E.: drizzling rain 5m. after the observation.
· 6	· 2	8/8	G.	∨⌊i moving uniformly from W. to E.: drizzling rain: a shower of rain at 6h. 17m.
· 7	· 3	8/8	G.	∨⌊i moving uniformly from SW. to NE.
· 8	· 4	8/8	G.	Uniformly overcast above; and detached masses of ∨⌊i moving from SW. to NE.
· 9	· 5	8/8	A.	∨⌊i in two strata, the lower moving Ed.; raining very lightly.
·10	· 6	[illegible]	A.	∨⌊i in large masses, below moving Ed.; overcast above uniformly with undefined clds.
·11	· 7	[illegible]	A.	∨⌊i in large masses, below moving Ed. overcast above uniformly with D. undefined clds. almost ∨⌊i.
·12	· 8	[illegible]	A.	∨⌊i in large masses, below moving SE.; overcast with D. clds. through which a few stars are faintly seen in the Zth.
·13	· 9	7/8	D.	∨⌊i throughout
·14	·10	6/8	D.	∨⌊i below, moving E. and overcast above: Zth. partly clear.
·15	·11	[illegible]	D.	∨⌊i moving E.: clear above.
·16	·12	[illegible]	D.	∨⌊i moving E. below; and overcast above.
·17	·13	7/8	G.	∨⌊i moving E. below, and overcast: raining lightly.
·18	·14	7/8	G.	∨⌊i below; and F. clds. above, moving NE. from SW.: a few breaks around the Zth.: a shower of rain at 18h. 10m.
·19	·15	7/8	G.	∨⌊i below, and D. F. clds. above, moving from W. to E.
·20	·16	7/8	G.	/⌊, and ∨⌊ in the E. and SE.: F. clds. moving rapidly from SW. to NE. below: and ∨i in patches moving from N. by W. to SE.
·21	·17	7/8	A.	∨⌊i below, in masses moving E.: D. F. clds. above moving also E.: raining lightly.
·22	·18	7/8	A.	∨⌊i below, in masses moving E. from the W., SW. and S.: ∨i above: raining lightly.
·23	·19	7/8	A.	∨⌊i below, in masses moving SE. from all directions, D. F. clds. and ⌒i almost ∨i moving SE. above.
31· 0	30·20	7/8	A.	∨⌊i below, in masses moving SE. from the SW., S. and from the W. and N.; D. F. clds. almost ∨i above.
· 1	·21	7/8	D.	∨i, above; and ∨⌊, and F. clds. moving E.: /⌊ in the N., and SW. Hor.
· 2	·22	8/8	D.	∨⌊i, below, moving E.: overcast above.
· 3	·23	8/8	D.	∨⌊i, below, moving E.: overcast above.
· 4	31· 0	8/8	D.	∨i above; and F. clds. moving E., below: /⌊ in the N. Hor.: a shower of rain at 4h. 43m.
· 5	· 1	8/8	G	∨⌊i moving, uniformly, from W. to E.: a shower of rain at 5h. 37m
· 6	· 2	7/8	G.	∨⌊i in the N., E. and SE.; F. ⌒ moving from W. to E. below; and ∨i moving from W. by N. to SE. above.
· 7	· 3	8/8	G.	∨⌊i moving from W. to E.
· 8	· 4	8/8	G.	∨⌊i moving from W. to E.: a few breaks through which the stars are visible.
· 9	· 5	8/8	A.	∨⌊i moving E. from all directions: a heavy shower of rain lasted about 5m.
·10	· 6	8/8	A.	Detached ∨⌊i below, moving E.; overcast above with undefined clds. through which the stars in Zth., and ☽ are faintly seen.
·11	· 7	8/8	A.	Detached ∨⌊i below, moving E.; overcast above with undefined clds.
·12	· 8	8/8	A.	∨⌊i in two strata, the lower stratum moving E.: raining lightly.
·13	· 9	8/8	D.	∨⌊i, below, moving E.; overcast above: raining.
·14	·10	8/8	D.	∨⌊i, below, moving E.; overcast above: drizzling rain
·15	·11	8/8	D.	∨⌊i, below, moving E.; overcast above; raining.
·16	·12	8/8	D.	∨⌊i, below, moving E.; overcast above: Zth. perfectly clear at 16h. 42m.
·17	·13	8/8	G.	Uniformly overcast with ∨⌊i: raining.
·18	·14	7/8	G.	∨⌊i moving, uniformly, from W. to E.: a few breaks in the W.
·19	·15	8/8	G.	∨⌊i moving, uniformly, from W. to E.: a few streaks in the W.
·20	·16	8/8	G.	∨⌊i in two strata, the lower moving from W. to E., and overcast above.
·21	·17		G.	/⌊ in the W.: ∨⌊ in two strata, the lower moving from W. to E.; and overcast above: a light shower of rain before the observation
·22	·18	[illegible]	A.	∨⌊i in two strata, the lower moving E.: rain falling
·23	·19	[illegible]	A.	∨⌊i in two strata, the lower moving NE.: raining slightly.
Aug. 0	·20	[illegible]	A.	∨⌊i around the Hor., scud below, and ∨i above, both moving NE.
· 1	·21	[illegible]	A.	∨⌊ in two strata, the lower stratum moving E. from all directions: raining lightly.
· 2	·22	[illegible]	A.	∨⌊i around the Hor.; D. F. clds. almost ∨i in patches moving E.
· 3	·23	8/8	A.	∨⌊i moving from the SW. and W. to E., and from NW. to NE.: raining.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
2· 4	2· 0	6/8	G.	∨⌊i in the SE., and F. clds. in detached masses moving from SW. to NE.
· 5	· 1	6/8	G.	∨⌊i in the N., NE., E. and SE. F. clds. moving from SW. to NE. below, and ∨i moving from S. by E. to NW. above.
· 6	· 2	6/8	G.	F. clds., below, and ∨ above, moving from SW. to NE.
· 7	· 3	4/8	G.	F. ⌒i moving from SW. to NE., below; and L. ∨ above.
· 8	· 4	4/8	G.	F. clds. moving from SW. to NE., below, and ∨ in the N. above.

AUGUST, 1846.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
2· 9	2· 5	5/8	A.	∿_i and ╲_ around the Hor.; D. F. clds. from the SW. and W. moving NE.: Zth. clear.
·10	· 6	7/8	A.	∿_i in the Hor ; D. F. clds. from the W., SW., and ∿i in the Zth. moving NE.: 13m. after the hour, the whole sky became overcast with ∿_i, and rain followed which lasted 6m.
·11	· 7	5/8	A.	∿_i in the Hor ; L. F. clds. from the SW. moving Ed.: ╲_ in the Zth.
·12	· 8	7/8	A.	∿_i and D. clds. in the Hor.; ╲_, above : and ∿i below in the W. moving N.: linear ╲i pointing to the NE and S. by W.
·13	· 9	3/8	D.	∿_i in the Hor : light rain at 13h. 36m.
·14	·10	2/8	D.	∿_i in the Hor.
·15	·11	2/8	D.	∿_i in the Hor.
·16	·12	2/8	D.	∿_i in the Hor.: a mass of ∿_ moving from W. to E.
·17	·13	7/8	G.	F. ⌒i below ; and ∿_i above moving from SW. to NE.
·18	·14	7/8	G.	∿_i in detached masses moving from SW. to NE. below ; and overcast above with ╲i, and ∿i.
·19	·15	7/8	G.	⌒_, and ⌒ in the Hor ; F. ⌒i moving from SW. to NE. below ; and ∿i from E. to W. above : light rain.
·20	·16	7/8	G.	⌒_, and ⌒ in the Hor ; F. ⌒i moving from SW. to NE· below ; and ∿i from E. to W. above.
·21	·17	8/8	A.	∿_i, and ⌒ in the Hor , except the W, which is occupied by ╲_ ; D. F. clds. moving E. from the W. below ; ╲_, and ╲ above moving Nd.
·22	·18	8/8	A.	⌒ in Hor., except the W. which is occupied by ╲_ ; D. F. ⌒i moving E. from all directions : ╲i above.
·23	·19	8/8	A.	⌒ in the Hor. except the W : D F. clds. moving Ed. from W. and SW.: ╲i throughout.
3· 0	·20	8/8	A.	⌒_, and ⌒ in the Hor ; masses of D. F. clds. moving Ed. from the W. and SW.; ╲_i and ∿i above moving slowly Ed.
· 1	·21	8/8	D.	⌒_, and ⌒ in the Hor.: ╲i and ╲_i scattered throughout..
· 2	·22	8/8	D.	⌒_, and ⌒ in the Hor.: ╲i and ╲_i scattered above ; and D. F. clds. and ∿_i moving NE., below : light rain.
· 3	·23	8/8	D.	⌒_, and ⌒ in the H.: ╲i and ╲_i scattered above ; and D. F. clds. and moving NE. below : rain at 3h. 37m.
· 4	3· 0	8/8	D.	∿_i ; and D F. clds. moving NE., below : ╲i and ∿ scattered, above.
· 5	· 1	8/8	G.	Detached masses of F. ⌒ moving W. to E. below ; and ╲ and ∿i moving from E. to W. above.
· 6	· 2	8/8	G.	∿_i in two strata, the lower moving from W. to E.; and overcast above.
· 7	· 3	8/8	G.	∿_i in two strata, the lower moving from W. to E. ; and overcast above.
· 8	· 4	8/8	G.	∿_i in two strata, the lower moving from W. to E.; and overcast above.
· 9	· 5	8/8	A.	∿_i, and ⌒ in the Hor.; ∿i in the Zth.; and F. ⌒i in SW. moving E.
·10	· 6	8/8	A.	∿_i, and ⌒_ in the Hor.; a large mass of D F. clds in the N. and from the W. and S. moving NE.: ╲_ and ╲i above : a lunar halo
·11	· 7	8/8	A.	∿_i and ⌒_ around the Hor ; scud below from the SW. and W. moving E.; ╲_ and ╲i above : a lunar halo.
·12	· 8	8/8	A.	∿_i, and ⌒_ around the Hor : large masses of D. F. clds. moving NE.: ╲i in the Zth.
·13	· 9	7/8	D.	∿_i, and ⌒_ in the Hor ; D. F. clds. moving NE. below; and ╲i and ∿i scattered, above.
·14	·10	8/8	D.	∿_i below moving NE.; overcast above : rain at 14h. 40m.
·15	·11	7/8	D.	∿_i moving NE.: raining very lightly : stars faintly seen through breaks.
·16	·12	4/8	D.	∿_i moving NE., in detached masses.
·17	·13	6/8	G.	∿_i moving NE., in detached masses from SW.
·18	·14	6/8	G.	⌒ in the NW.; and F. ⌒i below, and ∿ above moving from W. to E.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
3·19	3·15	7/8	G.	Huge masses of F. ⌒i moving from W. to E. below ; and patches of ∿i moving from N. to S. above
·20	·16	8/8	G.	D. F. ⌒ moving from W. to E. below ; and overcast with ╲i above : ⌒ in the Hor.
·21	·17	8/8	A.	⌒ in the Hor.; ╲_ ╲i and L. F. clds. overhead moving very slowly W.
·22	·18	8/8	A.	⌒_, and ∿_ in the Hor.; a huge mass of D. F. clds. extended from the NW. to Zth.; and F. ⌒i overhead both moving Ed.
·23	·19	6/8	A.	⌒ in the Hor.; scud from the SW. moving to the E. by S.: ╲_ and ╲i throughout.
4· 0	·20	6/8	A.	⌒_, and ⌒ around the Hor.; D. F. ⌒i from the W., SW. moving NEd.: ╲_ and ╲i throughout.
· 1	·21	6/8	D.	⌒_, and ⌒ around the Hor.: D. F. clds. below, moving NE.: ╲i and ╲_i scattered.
· 2	·22	6/8	D.	⌒_, and ⌒ around the Hor.: D. F. clds., moving NE : ╲i and and ╲_i scattered.
· 3	·23	8/8	D.	∿_i around the Hor.; and F. clds., moving E. below : overcast above.
· 4	4· 0	6/8	D.	⌒_, and ⌒ in the Hor.; D. F. clds. and ∿_, below, moving NE.: ╲i, ╲_i, and ∿i, throughout.
· 5	· 1	8/8	G.	∿_i in the W. and NW.; F. ⌒ in huge masses moving from SW. to N. below ; and ∿i from E. to W. above.
· 6	· 2	8/8	G.	⌒_ in the SE.; ∿_ in the E. and SW.: ∿ scattered above ; and F. ⌒i moving from W. to NE.: a shower 5m. before the observation.
· 7	· 3	5/8	G.	F. ⌒i moving from W. to E. below ; and overcast above with ∿_i.
· 8	· 4	5/8	G.	⌒_ in the Hor.; and F. clds. moving from SW. to NE.
· 9	· 5	8/8	A.	Huge masses of D. F. clds. almost ∿_i from SW., W. moving NEd. below ; ⌒_i in the Zth. moving E. above : ⌒ and ∿_ in the Hor.
·10	· 6	8/8	A.	⌒, and ⌒_ in the Hor.; D. F. clds. moving rapidly E from the W., N. and S : ╲i in the Zth scattered.
·11	· 7	8/8	A.	⌒, and ⌒_ extended about 45° above the Hor.; huge masses of D. F. clds. almost ∿_i moving E. from the W., N. and S.: 10m. after the hour the whole sky became overcast with ∿_, and light rain followed which lasted 15m.
·12	· 8	8/8	A.	⌒, and ⌒_ in the Hor : masses of D. F. clds. moving NE. from the W., NW. and S.
·13	· 9	5/8	D.	⌒, and ∿_ in the Hor.; D. F. clds moving NE., below : ╲i, and ╲_i scattered.
·14	·10	7/8	D.	⌒, and ∿_ in the Hor.; D. F. clds. moving NE : Zth. partly clear.
·15	·11	7/8	D.	∿_i, below ; and F. clds. above, moving NE.: Zth. partly clear
·16	·12	6/8	D.	∿_i scattered, moving NE.
·17	·13	7/8	G.	∿_i moving from SW. to NE. below ; and ╲i scattered above : a shower of rain.
·18	·14	8/8	G.	∿_i moving from SW to NE. below ; and D. ╲_i, ╲i moving SE. to NW. above.
·19	·15	8/8	G.	⌒_ in the S and W ; huge masses of ∿_i, and F. ⌒ moving from SW. to NE. below ; and D. ╲_i, ╲, ∿, moving conjointly from SE. to NW. above.
·20	·16	5/8	G.	⌒_ in the S.; ∿_, and F. clds. moving from SW. to NE. below ; D. ╲_i, ∿i, and ╲i moving conjointly from SE. to NW. above.
·21	·17	8/8	A.	⌒_, and ⌒ in the Hor.: D. F. clds. moving NEd. below : ╲_, and ╲i above.
·22	·18	8/8	A.	⌒_ extended horizontally from the W. to the S., and vertically from the Hor. 45° ; ⌒ in the remaining Hor., D. F. clds. below ; ╲_, and ╲i above conjointly moving NE. : a heavy shower of rain preceded by a brisk gale lasted 9m.
·23	·19	8/8	A.	⌒, and ∿_ in the Hor.; D. F clds. moving Ed ; ╲_ and ╲i scattered in the Zth.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
5· 0	4·20	8/8	A.	∨∩⎽i, and ∩ in the Hor ; D. F. ∩i below, and F. clds. above, both moving Ed.: ☉ shines, but casts no shadow : raining very lightly.
· 1	·21	6/8	D.	∨∩⎽i, and ∩ in the Hor.: F. clds. moving E. below ; and ⟍i, ⟍⎽i, and ∨∩i above, scattered.
· 2	·22	7/8	D.	∨∩⎽i, and ∩ in the Hor.: F. clds. moving E. below ; and ⟍i, ⟍⎽i, and ∨∩i above, scattered.
· 3	·23	7/8	D.	∨∩⎽i ; and F. clds. moving NE. below ; ⟍i, ⟍⎽i, and ∨∩i above, scattered.
· 4	5· 0	7/8	D.	∨∩⎽i, and D. F. clds. moving E. below ; ⟍i, ⟍⎽i, and ∨∩i scattered, above.
· 5	· 1	8/8	G.	∩⎽ in the S. and E.; huge masses of ∨∩⎽i moving from SW. to E. below ; and ∨∩ in patches moving from E. to W. above.
· 6	· 2	8/8	G.	∩ in the NW. and E. Hor.; D. ⟍i, ⟍⎽, ∨∩i moving from SE., to NW. above ; and L. F. clds. moving from SW. to NE. below.
· 7	· 3	8/8	G.	Detached masses of ∨∩⎽i moving from W. to E. below ; and D. ⟍ scattered above.
· 8	· 4	8/8	G.	∨∩i in two strata, the lower moving from W. to NE.; and overcast above.
· 9	· 5	8/8	A.	Overcast uniformly with D. F. clds., small masses of which are moving NE. below.
·10	· 6	8/8	A.	∨∩⎽i below in masses, and D. F. clds. above, both moving E.: the whole sky became overcast with ∨∩⎽, and rain followed 5m. after the hour, and lasted 16m.
·11	· 7	8/8	A.	Overcast uniformly with ∨∩⎽ : raining.
·12	· 8	8/8	A.	∨∩⎽i in the Hor.; D. F. clds. moving E. from all directions.
·13	· 9	8/8	D.	Overcast with ∨∩⎽i.
·14	·10	6/8	D.	∩⎽, and ∩ under ∨∩⎽ in the Hor.; ⟍i, ⟍⎽i, and ∨∩i scattered throughout.
·15	·11	7/8	D.	∩⎽, and ∩ under ∨∩⎽ in the Hor ; D. F. clds. and ∨∩⎽, below, moving E.: ∨∩ above.
·16	·12	7/8	D.	∩⎽, and ∩ under ∨∩⎽ in the Hor ; ∨∩i scattered throughout.
·17	·13	7/8	G.	∨∩⎽i moving from SW. to NE.: a shower of rain at 16h 55m.
·18	·14	7/8	G.	∨∩⎽i in the S. above ; detached masses of ∨∩⎽i and F. ∩ moving from SW. to NE.
·19	·15	8/8	G.	D. ∨∩⎽i, and ∩⎽ in the NW.: F. clds. moving from SW. to E. below ; and ∨∩ scattered above.
·20	·16	8/8	G.	∩ in the Hor.; ∨∩⎽ moving from W. to NE. below ; and D. F. clds. scattered above.
·21	·17	7/8	A.	∨∩⎽i, and ∩ in the Hor ; D. F. clds scattered below, and ∨∩i overhead, both moving NE.
·22	·18	7/8	A.	∨∩⎽, and ∩ in the Hor.; huge masses of ∨∩⎽i from the W., N. and S. moving E.
·23	·19	6/8	A.	∨∩⎽i, and ∩ in the Hor : ∨∩i in the NW. moving slowly NE.; few ⟍i in the Zth. moving very slowly W
6· 0	·20	7/8	A.	∨∩⎽i, and ∩ in the Hor.; and large masses of D. F. clds. all moving towards the NE.: haze in the Zth.
· 1	·21	7/8	D.	∩⎽, and ∩ under ∨∩⎽i in the Hor., D. F. clds. below moving NE., and ∨∩ above.
· 2	·22	7/8	D.	∩⎽, and ∩ under ∨∩⎽i in the Hor., D. F. clds. below moving NE., and ∨∩ above.
· 3	·23	7/8	D.	∩⎽, and ∩ in the Hor., ⟍i, and ⟍⎽i scattered throughout.
· 4	6· 0	7/8	D.	∩⎽, and ∩ in the Hor., ⟍i, ⟍⎽i and ∨∩ scattered above ; and L. F. clds. moving NE. below.
· 5	· 1	7/8	G.	∩⎽, and ∩ in the Hor.; ⟍i, ⟍⎽i, and ∨∩ scattered above ; and L. F. clds. moving NE. below.
· 6	· 2	8/8	G.	∩⎽, and ∩, and ∨∩⎽ in Hor ; ⟍i, ⟍⎽i and ∨∩ scattered above, and L. F. clds moving NE below
· 7	· 3	7/8	G.	∩⎽, and ∨∩⎽ in the SE., E. and N.; and F. clds. moving gently E.: large break in the W.
6· 8	6· 4	7/8	G.	∩⎽, ∩ and ∨∩⎽ in the Hor.; and D. ⟍i, ⟍⎽i, and ∨∩, scattered : halo a round the moon : a few breaks in the Zth. through which stars are visible.
· 9	· 5	8/8	A.	∨∩⎽i in the SW. Hor.; and ∩ in the remaining Hor.; ∨∩⎽i spreading from the SW.: D. F. clds. moving Ed.
·10	· 6	6/8	A.	∨∩⎽i in the SW. Hor.; ∩ in the remaining Hor ; L. F. clds. scattered moving Ed ; ⟍⎽, and ⟍i above through which the stars are faintly seen : a lunar halo
·11	· 7	6/8	A.	∨∩⎽ in the N. Hor.; ∩ in the Hor.; D. F. clds. moving towards the E. by S.: ⟍⎽ in the SW.
·12	· 8	8/8	A.	Large masses of D. F. clds. almost ∨∩⎽, moving Ed. from all directions.
.13	· 9	5/8	D.	⟍⎽i in the S.; ∩, ∩⎽ around the Hor.
·14	·10	7/8	D.	⟍⎽, and ∨∩ in the S.; ∩ around the Hor.; and large masses of ∩⎽ moving to the E.
·15	·11	7/8	D.	∩ around the Hor.; F. clds. in large masses, like ∩⎽, moving towards the NE.
·16	·12	3/8	D.	∩ around ; the Hor.; thick in the E ; F. clds. moving NE.
·17	·13	8/8	G.	Overcast.
·18	·14	8/8	G.	∨∩⎽i below moving NE.; ⟍i, ∨∩i and F. clds. above ; ∩ under ∨∩⎽i in the Hor.; raining lightly.
·19	·15	7/8	G.	∨∩⎽i below moving NE.; ⟍i, ∨∩i and F. clds above ; ∩ under ∨∩⎽i in Hor.: raining lightly.
·20	·16	7/8	G.	∨∩⎽i, and F. clds. below, moving NE.; F. clds. above ; ∩ under ∨∩⎽ in the Hor.: raining.
·21	·17	6/8	A.	F. clds. moving NE. below ; ∨∩, scattered above; ∩ under ∨∩⎽, in the Hor.
·22	·18	6/8	A.	F. clds. moving NE. below ; ⟍i scattered throughout.
·23	·19	5/8	A.	F. clds. in the Zth.; ∨∩⎽, and ∩ all around the Hor.: ⟍i scattered.
7· 0	·20	6/8	A.	∨∩⎽i, and ∩ all round the Hor : F. clds, and ⟍i moving across Zth. to NE.
· 1	·21	5/8	D.	∩, and ∨∩⎽ all round the Hor.: ⟍i scattered throughout.
· 2	·22	6/8	D.	∩, and ∨∩⎽ all round the Hor.: L. F. clds. scattered throughout.
· 3	·23	6/8	D.	∩, and ∨∩⎽ all round the Hor.: L. F. clds. and ⟍ scattered throughout.
· 4	7· 0	8/8	D.	∩ in the Hor.; and D. F. clds. throughout.
· 5	· 1	8/8	G.	∩ under ∨∩⎽i in the Hor ; ∨∩⎽ below moving E ; overcast above.
· 6	· 2	6/8	G.	∨∩⎽i below, moving E., overcast above: raining.
· 7	· 3	8/8	G.	∨∩⎽i below, moving E.; overcast above.
· 8	· 4	8/8	G.	∨∩⎽i below, moving E.; overcast above.
· 9	· 5	8/8	A.	∩⎽, and ∩ in the Hor. extending about 45° above it ; masses of D. F. clds. moving E. from the SW.: ⟍i in the Zth.
·10	· 6	8/8	A.	Huge masses of ∨∩⎽ from the NW. moving E., and from the SW. to the E. by S.: a heavy shower of rain lasted 2m.
·11	· 7	8/8	A.	D. F. ∩i, and masses of ∨∩⎽ moving E. from all directions : a faint lunar halo.
·12	· 8	8/8	A.	D. F. clds., and masses of ∨∩⎽ moving toward the E. by S. from all directions : ⟍⎽ overhead : light rain.
·13	· 9	8/8	D.	∨∩⎽i below, moving E.; overcast above : raining lightly.
·14	·10	6/8	D.	D. F. clds. below, moving E.: ∨∩i above, throughout.
·15	·11	8/8	D.	∨∩⎽ below, moving E., ∨∩ above, throughout.
·16	·12	7/8	D.	∨∩⎽ below, moving E.: ∨∩⎽ above : Zth. partly clear.
·17	·13	7/8	G.	∨∩⎽ below, moving E.; ∨∩ above : Zth. partly clear : a shower of rain at 17h. 26m.
·18	·14	8/8	G.	∩⎽ in the S.: ∨∩⎽ in two strata, the lower moving NE. from SW., and overcast above with ∨∩⎽.
·19	·15	6/8	G.	∩⎽ in the S., L. F. ∩i moving from W. to E. below ; and ⟍i, and ∨∩i moving from NW. to SE. above

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather
D. H.	D. H.			
7·20	7·16	8/8	G.	⌒_, and ╲⌒_ in the Hor.; D. F. clds. moving from W. to E. below; and D. ╲i, and ╲⌒i moving from S. to NW., above.
·21	·17	8/8	A.	╲⌒_, and ⌒ in the Hor.; ╲⌒_ spreading vertically from the SW., large masses of D. F. clds. moving Ed: ╲_ overhead moving Wd.
·22	·18	8/8	A.	⌒_, and ╲⌒_ in the Hor; huge masses of D clds. moving Ed., below; ╲⌒i and L. F. clds. scattered above moving very slowly SW.
·23	·19	8/8	A.	⌒, and ⌒_ in the Hor; D. F. clds. scattered below moving Ed; ╲⌒i, and ╲_i, above, stationary.
8· 0	·20	8/8	A.	⌒, and ⌒_ in the Hor.; D. F. ⌒i below moving Ed.; ╲⌒i overhead, and ╲_ moving very slowly N. by E. above.
· 1	·21	7/8	D.	⌒, and ╲⌒_ in the Hor; F. clds., below, moving E.; ╲⌒, above throughout; ╲ and ╲_i in SE., S., and SW.
· 2	·22	7/8	D.	⌒, and ╲⌒_ in the Hor; F. clds., below moving E; and ╲i, and ╲_i above, scattered.
· 3	·23	8/8	D.	⌒, and ╲⌒_ in the Hor; ╲⌒_i below, moving E.; overcast above: light rain.
9· 4	9· 0	7/8	G.	Upper current of ╲⌒i moving from NW. to SE; ⌒i, and ⌒_ in the Hor; and lower current of F. clds. moving from W. to NE.
· 5	· 1	6/8	G.	Detached masses of F. clds. moving from W. to NE; and ⌒ and ⌒_ in the Hor: rain at 6h. 42m.
· 6	· 2	7/8	G.	⌒, and ⌒_ in the Hor.; ╲⌒_ moving from W. to E., below; and ╲⌒ scattered above: raining very lightly.
· 7	· 3	7/8	G.	Detached masses of F. clds., and ╲⌒_ from W. to E. below; ╲i, ╲⌒i, and ╲_i moving from S to NW. above: a few breaks through which the stars are visible.
· 8	· 4	3/8	G.	╲⌒_i; and F. clds. scattered along the Hor: Zth. partly clear.
· 9	· 5	8/8	A.	╲⌒_i below moving Ed; overcast above with D. undefined clds
·10	· 6	8/8	A.	╲⌒_i below moving Ed; overcast above with undefined clds.
·11	· 7	7/8	A.	Scattered ╲⌒_i below; ╲i, and ╲⌒i and D. undefined clds. above all three moving Ed.
·12	· 8	8/8	A.	Masses of ╲⌒_i below moving N. by E; overcast above with D. clds almost ╲⌒_i: 1m. after the hour rain, preceded by fresh breeze, commenced falling
·13	· 9	8/8	D.	Overcast with ╲⌒_i.
·14	·10	7/8	D.	╲⌒_i; and F. clds. moving E. below; thin ╲i above: ╲⌒_i, and ⌒ in the Hor.
·15	·11	7/8	D.	╲⌒_i; and F. clds. moving E. below; thin ╲i above: ╲⌒_i, and ⌒ in the Hor.
·16	·12	7/8	D.	╲⌒_i: and F. clds. moving E. below; overcast above; ╲⌒_i, and ⌒ in the Hor.: a shower at 16h 22m.
·17	·13	8/8	G.	╲⌒_i moving uniformly from W. to E: raining very lightly.
·18	·14	7/8	G.	╲⌒_i; and thin F clds. moving from SW. to NE. below; and ╲i, and ╲_i moving from NW. to SE. above.
·19	·15	8/8	G.	⌒ in the N. by E.; huge masses of ╲⌒_i and F. clds. below; and ╲⌒i above moving from W. to E: a shower of rain at 19h. 18m.
·20	·16	7/8	G.	Huge masses of D. F. clds; and ╲⌒_ moving from W. to E. below: ╲i, and ╲_ scattered above.
·21	·17	8/8	A.	╲⌒_i below moving Ed.; overcast above uniformly with D. undefined clds.
·22	·18	8/8	A.	╲⌒_i below moving E.; F. ⌒i above moving NE.
·23	·19	8/8	A.	╲⌒_i below moving E.; overcast above uniformly with D. clds.
10· 0	·20	8/8	A.	Huge masses of ╲⌒_i from the W. by S below; and D. clds. above moving towards the N. by E: raining very lightly.
· 1	·21	7/8	D.	F. clds. below, moving NE.; ╲⌒ above, scattered: ╲⌒_i in the Hor.
· 2	·22	7/8	D.	F. clds below, moving NE.; ╲⌒ and ╲i above, scattered; ╲⌒_, ⌒_ and ⌒ in the Hor.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather
D. H.	D. H.			
10· 3	9·23	7/8	D.	F. clds., below, moving NE; ╲⌒ and ╲, above scattered; ╲⌒_, ⌒_ and ⌒ in the Hor.
· 4	10· 0	8/8	D.	╲⌒_i below, moving NE; F. clds. ╲⌒i, and ╲i above; ╲⌒_, and ⌒ in the Hor.
· 5	· 1	8/8	G.	Uniformly overcast with ╲⌒_i above; and detached masses of clds. moving from SW. to NE.
· 6	· 2	8/8	G.	⌒ in the N. Hor.; huge masses of ╲⌒_i and D. F. clds. moving from SW. to NE. below; and ╲i, and ╲_i scattered above.
· 7	· 3	7/8	G.	Detached masses of ⌒_i moving from SW. to NE. below; and ╲i, ╲⌒i, and ╲_i scattered above.
· 8	· 4	6/8	G.	Detached masses of ╲⌒_i moving from SW. to NE, below.
· 9	· 5	7/8	A.	╲⌒_i moving E.; W. and SW. partly clear.
·10	· 6	8/8	A.	╲⌒_i in masses below moving NE.; overcast above uniformly with D. clds. almost ╲⌒_i.
·11	· 7	8/8	A.	╲⌒i almost ╲⌒_i moving E.
·12	· 8	6/8	A.	D. F. clds. from the W. and SW. moving rapidly NE.; cymoid (imperfect ╲⌒i) in the E.; ╲_, and ╲i scattered: Zth. clear.
·13	· 9	8/8	D.	╲⌒ above; and ╲⌒_i below, in detached masses moving E.
·14	·10	8/8	D.	╲⌒_i, and F. clds. above; ╲⌒_ below, moving NE.
·15	·11	8/8	D.	F. clds. above; ╲⌒_ below, moving E.
·16	·12	6/8	D.	F. clds. above; ╲⌒_ below, moving E.
·17	·13	8/8	G.	╲⌒_i moving NE.: a few breaks through which the stars are visible.
·18	·14	6/8	G.	⌒, and ╲⌒_ in the Hor; and detached masses of F. ⌒i below; ╲⌒i above, moving from SW. to NE.
·19	·15	8/8	G.	⌒ in the Hor.; detached masses of F. clds. moving from W. to E below; and ╲i, and ╲_i scattered above.
·20	·16	5/8	G.	╲⌒, and ⌒_ in Hor.; detached masses of F. clds. moving from W. to E. below; ╲_i and ╲⌒i in the S. and N. above: Zth. perfectly clear.
·21	·17	3/8	A.	⌒, L. F. clds. in the Hor.; D. F. clds. moving NE. from the S. and SW.; ╲_ extending from the W. to the S. by E.
·22	·18	8/8	A.	⌒_, and ⌒ in the Hor.; D. F. ⌒i below, moving NE.; overcast above with undefined clds.
·23	·19	8/8	A.	⌒ in the Hor. except the W. which is occupied by lines of F. clds.; D. F. ⌒i moving E. from all directions.
11· 0	·20	8/8	A.	Huge masses of D. F. clds. almost ╲⌒_i from the SW., SE. moving to the N. by E: scud below; and F. clds. above.
· 1	·21	7/8	D.	╲⌒i throughout: ⌒ in the Hor.
· 2	·22	5/8	D.	╲⌒i in W., and NW.; ╲i in the SE; ⌒, and ╲⌒_ in the Hor.: F. clds. moving NE.
· 3	·23	4/8	D.	⌒, and ╲⌒_ in the Hor.; ╲i, and ╲_i in the SE, S. and SW.: L. F. clds. moving NE.
· 4	11· 0	5/8	D.	╲⌒_i, and ⌒ in the Hor.; ╲⌒ in E., W., N. and S: Zth. clear: F. clds. moving NE.
· 5	· 1	7/8	G.	⌒_, and ⌒ in the Hor.; thin masses of F. ⌒i, and ╲⌒_i moving from SW. to NE.: a few breaks in the E.
· 6	· 2	6/8	G.	⌒_, and ⌒ in the Hor., thin masses of F. ⌒i, and ╲⌒_i moving from SW. to NE. below; and ╲i, ╲⌒i, and ╲_i scattered above.
· 7	. 3	8/8	G.	⌒_ in the S. and SE; detached masses of ╲⌒_i moving from W. to E; and overcast above with D. F. clds.
· 8	· 4	8/8	G.	Uniformly overcast with ╲⌒_i.
· 9	· 5	8/8	A.	Overcast with ╲⌒_i: few stars visible through breaks in the Zth.
·10	· 6	8/8	A.	╲⌒_i below moving NE., overcast above uniformly with undefined clds
·11	· 7	8/8	A.	Masses of ╲⌒_ moving towards the E. by N. below; overcast above with D. clds. almost ╲⌒_i.
·12	· 8	8/8	A.	╲⌒_i in the Hor.; D. F. ⌒i almost ╲⌒_i moving E.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
11·13	11· 9	8/8	D.	Overcast with ∿_i.
·14	·10	8/8	D.	Overcast with ∿_i.
·15	·11	8/8	D.	Overcast with ∿_i.
·16	·12	8/8	D.	Overcast with ∿_i.
·17	·13	8/8	G.	∿_i moving uniformly from W. to E.
·18	·14	8/8	G.	Overcast above with ∿_i; and detached masses of ∿_i moving NE. from SW. below.
·19	·15	8/8	G.	⌒ in the W; F. ⌒i, and ∿_i moving NE. from SW.: rain at 19h. 19m.
·20	·16	8/8	G.	⌒ in the W. and NW.; D. ∿_ moving in two strata from SW. to NE: a few breaks in W. and NW.
·21	·17	8/8	A.	⌒_, and ∿_ in the Hor; masses of ∿_ below: and D. F. clds above, that moving rapidly to the NE. and this slowly E: raining.
·22	·18	8/8	A.	⌒, and ∿_ in the Hor.; masses of ∿_i below, moving NE.: D. F. clds. overhead moving E.
·23	·19	3/8	A.	⌒, and D. F. clds in the Hor.; ∿i and F. clds overhead moving to the E. by N: a few \i in the S.
12· 0	·20	5/8	A.	⌒, and D. F. clds. in the Hor; F. ⌒i extending from the W. to the Zth moving E.: cymoid (imperfect ∿i) in the NW.
· 1	·21	7/8	D.	⌒i, and ∿_i in the Hor.; F. clds. and ∿_ below, moving NE.; ∿ and F. clds. above.
· 2	·22	8/8	D.	⌒i, and ∿_i in the Hor.; F. clds. and ∿_i below, moving NE.; ∿ and F. clds. above: light rain.
· 3	·23	8/8	D.	⌒i, and ∿_i in the Hor.; ∿_ below, moving NE,: overcast above: raining.
· 4	12· 0	8/8	D.	∿_i below, moving NE; overcast above: ⌒, and ∿_ in the Hor.
· 5	· 1	8/8	G.	Overcast with ∿_i: raining heavily.
· 6	· 2	8/8	G.	⌒ in the W.; and ∿_ throughout: clearing in W: a shower of rain at 6h. 42m.
· 7	· 3	8/8	G.	∿_i in two strata, the lower moving from W. to E.
· 8	. 4	8/8	G.	Overcast with ∿_i.
· 9	· 5	7/8	A.	Masses of ∿_i moving E.: stars faintly seen through breaks.
·10	· 6	7/8	A.	Masses of ∿_i moving towards the N by E.: stars shining brilliantly through breaks: a shower of rain which lasted 5m
·11	· 7	8/8	A.	Masses of ∿_i moving NE. below; overcast above with undefined light clds through which stars very faintly shine
·12	· 8	8/8	A.	Masses of ∿_i moving NE.: overcast above with undefined D. clds.
·13	· 9	8/8	D.	∿_i below, moving NE; overcast above.
·14	·10	7/8	D.	∿i throughout: ⌒, and ∿_ in the Hor
·15	·11	8/8	D.	∿_i below, moving E., ∿ and F. clds., above: rain at 15h 53m.
·16	·12	8/8	D.	∿_i below, moving E.; overcast above.
·17	·13	8/8	G.	∿_i moving uniformly from W. to E.
.18	·14	8/8	G.	∿_i moving uniformly from W. to E
·19	·15	8/8	G.	∿_i moving uniformly from W. to E: a heavy shower of rain lasted 10m.
·20	·16	8/8	G.	∿_i moving uniformly from W. to E: a few breaks in S.
·21	·17	8/8	A.	Large masses of ∿_i below; and D. undefined clds. above, both moving Ed.
·22	·18	8/8	A.	Dense F. clds. throughout moving E.
·23	·19	7/8	A.	Dense F. ⌒i moving Ed.; _ in the W. Hor; ⌒_ in the SW. Hor., a huge mass of ∿_i in the S. Hor. moving NE., clearing up in the W. and SW.
13· 0	·20	7/8	A.	F. clds. in the Hor: ∿i moving Ed. from all directions.
· 1	·21	8/8	D.	∿_i below, moving E: overcast above: ⌒, and ∿_i in the Hor.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
13· 2	12·22	8/8	D.	∿_i below, moving NE.; overcast above: ⌒, and ∿_i in the Hor.: light rain.
· 3	·23	7/8	D.	∿_i, and F. clds. below, moving. NE.; ∿ and F. clds. above; ∿_ and ⌒ in the Hor.: Zth partly clear.
· 4	13· 0	8/8	D.	∿_i and F. clds. below, moving NE; ∿., and F. clds. above: ⌒, and ∿_ in the Hor.: rain at 3h. 53m.
· 5	· 1	8/8	G.	∿_i and F. clds. below, moving NE; ∿, and F. clds. above. ⌒, and ∿_ in the Hor.
· 6	· 2	8/6	G.	∿_i, and D. F. clds. moving conjointly from SW. to NE.
· 7	· 3	8/8	G.	∿_i, and D. F. clds moving conjointly from W. to E.
· 8	· 4	8/8	G.	Overcast with ∿_i: a few breaks about the Zth.
· 9	· 5	8/8	A.	Masses of ∿_i below moving NEd.; overcast above with undefined clds.
·10	· 6	8/8	A.	Overcast with ∿_i.
·11	· 7	5/8	A.	Masses of ∿_i below moving Ed.; overcast above with undefined clds.
·12	· 8	8/8	A.	Masses of ∿_i below rapidly moving NE; overcast above with undefined clds.
·13	· 9	8/8	D.	Overcast with ∿_i.
·14	·10	8/8	D.	Overcast above; ∿_ below, moving E.
·15	·11	8/8	D.	F. clds. above; ∿_ below, moving E.
·16	·12	8/8	D.	F. clds. above; ∿_ below, moving NE.
·17	·13	8/8	G.	∿_i, and D. F. clds. moving conjointly from W. to E., clearing in the E.
·18	·14	8/8	G.	∿_i moving uniformly from W. to E: clearing in the S. and W.
·19	·15	7/8	G.	∿_i below; and ∿i above moving from SW. to NE.
·20	·16	5/8	G.	∿_i, and D. F. clds. moving from W. to E.; and ⌒i in the E.
·21	·17	8/8	A.	∿_, and D. F. clds. moving towards the E. by S.
·22	·18	8/8	A.	∿_, and D. F. clds. in the Hor.; D. F. clds. moving towards the E. by S.
·23	·19	8/8	A.	∿_ and D. F. clds. in the Hor.; D. F. clds moving towards the E. by S.
14· 0	·20	8/8	A.	∿_, and ⌒ in the Hor.; D. clds. and ∿_ moving very slowly Ed.
· 1	·21	7/8	D.	∿_i, and ⌒ in the Hor.; ∿i, \i, and _i scattered throughout.
· 2	·22	8/8	D.	∿_i, and ⌒ in the Hor; ∿i, \i, and _i, and F. clds above: ∿_ and F. clds. below, moving NE.
· 3	·23	8/8	D.	∿_i, and ⌒ in the Hor.: and F. clds. throughout.
· 4	14· 0	8/8	D.	∿_i, and ⌒ in the Hor; F. clds. below, moving NE.: overcast above.
· 5	· 1	3/8	G.	∿_i moving uniformly from W. to E.: raining very slightly.
· 6	· 2	8/8	G.	Huge masses of ∿_i moving from W. to E. below, and uniformly overcast with ∿_i above.
· 7	· 3	8/8	G.	∿_i moving from W. to E: a few breaks in the W.
· 8	· 4	8/8	G.	Overcast with ∿_i
· 9	· 5	6/8	A.	Detached masses of ∿_i moving Ed.: stars shining through breaks in the Zth.
·10	· 6	3/8	A.	Masses of ∿_i from the W., SW. and NW. moving NE., ∿_i in the Hor.: a heavy shower of rain lasted 2m.
·11	· 7	5/8	A.	Huge masses of ∿_i from the W., S. and N. moving slowly NE.
·12	· 8	4/8	A.	Masses of ∿_i from the W. and SW. moving rapidly towards the E. by S.
·13	· 9	6/8	D.	∿_i in E., W., N and S: Zth. clear
·14	·10	8/8	D.	∿_i below, moving E. F. clds above: light rain at 14h. 14m.
·15	·11	8/8	D.	∿_i below, moving E; F. clds. above.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
14·16	14·12	8/8	D.	╲⌒_i below, moving E; overcast above: raining.
·17	·13	8/8	G.	╲⌒_i moving from W. to E.: a shower of rain lasted 10m.
·18	·14	8/8	G.	╲⌒_i moving from W. to E: raining lightly.
·19	·15	8/8	G.	Uniformly overcast with ╲⌒_i above; and detached masses ╲⌒_i moving from W. to E.: drizzling rain.
·20	·16	8/8	G.	Detached masses of F. ⌒, and ╲⌒_ moving from W. to E., below; and ╲i, ╲⌒i scattered above.
·21	·17	8/8	A.	Few masses of ╲⌒_i below; and D. clds. above both moving SE.
·22	·18	8/8	A.	Few masses of ╲⌒_i below, and D. clds. above both moving SE.
·23	·19	6/8	A.	⌒_, and ╲⌒_ in the Hor; ╲⌒i and F. clds moving very slowly SE.: Zth. clear: a shower of rain 24m. after the observation.
15· 0	·20	8/8	A.	╲⌒_ in masses below moving SE.; overcast with clds: raining lightly accompanied with a brisk squall.
· 1	·21	8/8	D.	╲⌒_i below, moving E.; overcast above: raining lightly.
· 2	·22	8/8	D.	Overcast.
· 3	·23	8/8	D.	Overcast.
16· 4	16· 0	8/8	D.	╲⌒_i moving from W. to E.
· 5	· 1	8/8	G.	╲⌒_i moving from W. to E.: raining very lightly.
· 6	· 2	8/8	G.	╲⌒_i moving from W. to E: raining very lightly.
· 7	· 3	8/8	G.	Uniformly overcast with ╲⌒_i.
· 8	· 4	8/8	G.	Uniformly overcast with ╲⌒_i: raining lightly.
· 9	· 5	8/8	A.	Overcast uniformly with ╲⌒_i: raining lightly.
·10	· 6	8/8	A.	╲⌒_i in two strata, the lower in huge masses moving SE.
·11	· 7	8/8	A.	Masses of ╲⌒_ moving SE.: a break SW. of Zth. through which a few stars are seen.
·12	· 8	8/8	A.	╲⌒_ in two strata, the lower in masses moving S.
·13	· 9	7/8	D.	╲⌒_i in the E, W., N. and Zth.: S. clear.
·14	·10	8/8	D.	╲⌒_i throughout.
·15	·11	8/8	D.	╲⌒_, and F. clds throughout.
·16	12	8/8	D.	╲⌒_i throughout.
17	·13	8/8	G.	╲⌒_i moving below from W. to E.; and D. ╲⌒, and F. ⌒ scattered above.
·18	.14	7/8	G.	⌒ in the S.; ╲⌒_ in the Hor; patches of ╲⌒i moving from N. to S. above; and thin F. clds. from SW. to NE. below.
·19	·15	7/8	G.	⌒, and ╲⌒_ in the Hor.; densely overcast with ╲⌒_ in the N.; patches of ╲⌒i moving from SW. to S above; and thin F. ⌒i. moving from SW. to NE: Zth. clear.
·20	·16	6/8	G.	Densely overcast with ╲⌒_i in the SE; huge masses of ⌒_, and ╲⌒_ in the N moving E.: ╲⌒ moving from SW. to NE.
·21	·17	8/8	A.	Dense F. clds. below, moving towards the E. by S.; ╲⌒_., and ⌒_ in the Hor: ╲⌒i above, in the NE; and L. F. clds. scattered overhead.
·22	·18	8/8	A.	Masses of ╲⌒_ below, moving SE; overcast above, with D. undefined clds.
·23	·19	4/8	A.	⌒_, and ⌒ in the Hor.; L. F. clds. in the Zth. moving slowly towards the E.
17· 0	·20	8/8	A.	Overcast with undefined clds. through which the ⊙ shines, but casts no shadow.
· 1	·21	8/8	D.	Overcast with ╲⌒_i: raining lightly.
· 2	·22	8/8	D.	Overcast with ╲⌒_i.
· 3	·23	8/8	D.	Overcast with F. clds. above; and ╲⌒_ below in detached masses moving E.: raining.
D. H.	D. H.			
17· 4	17· 0	7/8	D.	╲⌒_i, and F. clds. below, moving NE.; F. clds. above; ╲_ in the SE.: ⌒, and ╲⌒_ in the Hor.
· 5	· 1	7/8	G.	╲i, ╲_i, and ╲⌒i scattered above; ⌒ in the Hor.; and L. F. ⌒ moving from SW. to NE. below.
· 6	· 2	7/8	G.	⌒ in the Hor.; patches of ╲⌒i above; and F. ⌒ below moving from W. to E.
· 7	· 3	6/8	G.	╲i, and ╲⌒i scattered above; and F. ⌒i, and ╲⌒_i moving from W. to E.
· 8	· 4	4/8	G.	╲⌒_i along the Hor.: Zth. perfectly clear.
· 9	· 5	3/8	A.	╲⌒_i along the Hor.
·10	· 6	6/8	A.	╲⌒_i in masses moving SE.: Zth. clear.
·11	· 7	6/8	A.	Huge masses of ╲⌒_i moving E. from all directions: 5m after the hour, the whole sky became overcast followed with ╲⌒_ and heavy rain.
·12	· 8	8/8	A.	Overcast with ╲⌒_i: raining lightly.
·13	· 9	7/8	D.	Overscast with ╲⌒_i.
·14	·10	6/8	D.	╲⌒_i, moving E.
·15	·11	7/8	D.	╲⌒_i, moving E.: raining lightly.
·16	·12	2/8	D.	╲⌒_i below; and F. clds. above, in the NE., E. and SE.; and ╲⌒_ in the NW. Hor.
·17	·13	6/8	G.	╲i, and ╲⌒i scattered above; and detached masses of ╲⌒_i moving NE., below.
·18	·14	6/8	G.	╲i, and ╲⌒i scattered above; and detached masses of ╲⌒_i moving NE., below.
·19	·15	7/8	G.	╲i, and ╲⌒i scattered above; ⌒ in the Hor: ╲⌒_ moving from W. to E., below.
·20	·16	8/8	G.	╲i, and ╲⌒i scattered above; ⌒ in the Hor.; ╲⌒_ moving from W. to E. below: a shower of rain 5m. before the hour.
·21	·17	8/8	A.	╲⌒_, and ⌒ in the Hor.; D. F. clds. scattered below; and ╲⌒i overhead; L F. clds. above, both moving Ed.
·22	·18	8/8	A.	Masses of ╲⌒_ below; undefined clds. through which the ⊙ faintly shines above, both moving Ed.
·23	·19	8/8	A.	Masses of ╲⌒_ below moving E.; overcast above, with D. undefined clds.
18· 0	·20	8/8	A.	Masses of ╲⌒_ below moving E.; overcast above with D. clds. almost ╲⌒_i.
· 1	·21	8/8	D.	Masses of ╲⌒_ below moving E.; overcast above: light rain at 1h. 43m.
· 2	.22	7/8	D.	F. clds. and ╲⌒_ below, moving E.; ╲i and F. clds. above; ⌒, and ╲⌒_ in Hor.: rain at 2h. 5m.
· 3	·23	8/8	D.	F. clds. and ╲⌒_ below, moving E.; ╲i, ╲⌒i and F. clds. above: halo around ⊙
· 4	18· 0	8/8	D.	╲⌒_i below, moving E.; overcast above.
· 5	· 1	8/8	G.	╲⌒_i below, moving E.; overcast above.
· 6	· 2	8/8	G.	╲⌒_i below, moving E.; overcast above.
· 7	· 3	8/8	G.	╲⌒_i below, moving E.; overcast above.
· 8	· 4	8/8	G.	Overcast with ╲⌒_i: a shower of rain at 8h. 48m.
· 8	· 5	8/8	A.	Overcast with ╲⌒_i.
·10	· 6	5/8	A.	╲⌒_i around the Hor.
·11	· 7	8/8	A.	╲⌒_i, in masses, moving Ed.: 30m. after the hour, a shower of rain commenced falling, it lasted about 15m.
·12	· 8	8/8	A.	Overcast uniformly with ╲⌒_i.
·13	· 9	8/8	D.	Overcast uniformly with ╲⌒_i: a shower at 3h, 22m.
·14	·10	8/8	D.	Overcast uniformly with ╲⌒_i.
·15	·11	8/8	D.	Overcast uniformly with ╲⌒_i.
·16	·12	8/8	D.	Overcast uniformly with ╲⌒_i.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
·1817	18·13	8/8	G.	Overcast uniformly with \⌒⎽i.
·18	·14	8/8	G.	\⌒⎽i in two strata, the lower moving from W. to E: a shower of rain at the full hour.
.19	·15	8/8	G.	Overcast with \⌒⎽i: rain 5m. before the observation: a little break in the W.
·20	·16	8/8	G.	Overcast with \⌒⎽i.
·21	·17	8/8	A.	A huge mass of \⌒i from the SW.; and D. F. clds almost \⌒⎽i moving towards the E. by N: raining lightly.
·22	·18	8/8	A.	\⌒⎽i in masses; and D. F. clds. moving Ed.
·23	·19	8/8	A.	Two strata, the lower of \⌒⎽i, in masses; and the upper of \⌒i and D. F. clds., that moving Ed. and this Wd.
19·0	·20	6/8	A.	Few \⌒⎽i below moving E; overcast above with undefined clds through which the ⊙ shines, but casts no shadow.
·1	·21	8/8	D.	\⌒⎽i below, moving E; overcast above: raining lightly.
·2	·22	8/8	D.	Overcast with \⌒⎽i.
·3	·23	8/8	D.	Overcast above; \⌒⎽ below, in detached masses moving NE.
·4	19·0	8/8	D.	\⌒⎽i below, moving NE; overcast above: raining.
·5	·1	8/8	G.	Huge masses of \⌒⎽i moving from SW. to NE. below; and D. \⌒i and F. clds. scattered above.
·6	·2	8/8	G.	\⌒⎽i moving NE.
·7	·3	8/8	G.	\⌒⎽i moving NE.: a few breaks in the W.
·8	·4	7/8	G.	\⌒⎽i in detached masses moving NE.
·9	·5	6/8	A.	Masses of \⌒⎽i below, moving NEd; overcast above with undefined clds.
·10	·6	8/8	A.	Overcast with \⌒⎽i.
·11	·7	5/8	A.	Large masses of \⌒⎽i moving NEd.: few breaks through which the stars are seen: a momentary shower of rain at 11h. 0m: a shower of rain at 11h. 26m. lasted about 15m.
·12	·8	3/8	A.	\⌒⎽i in the Hor, otherwise quite clear.
·13	·9	5/8	D.	\⌒⎽i moving NE; and \⌒⎽ in the Hor.
·14	·10	6/8	D.	\⌒⎽i moving E; and \⌒⎽ in the Hor.
·15	·11	8/8	D.	\⌒⎽i throughout; light drizzling rain.
·16	·12	8/8	D.	\⌒⎽i throughout: raining.
·17	·13	7/8	G.	\⌒⎽i moving, in scattered masses, towards the NE: stars visible in the E.
·18	·14	8/8	G.	Uniformly overcast with \⌒⎽i. clearing in the E.
·19	·15	8/8	G.	\⌒⎽i moving from W. to NE.: a rain bow in the W.: raining very lightly.
·20	·16	8/8	G.	\⌒⎽i, and F. clds moving in detached masses, from SW. to NE. below; and overcast with \⌒i above.
·21	·17	7/8	A.	\⌒⎽i in masses, and D. F clds. almost \⌒⎽ moving Ed: clear in the SW. and W.
·22	·18	8/8	A.	\⌒⎽i and D. F clds. in the Hor; three strata, the lower a few D. F. clds. moving Ed., 2nd L. F. clds. moving Wd.; 3rd containing \i·
·23	·19	8/8	A.	\⌒⎽i and D. F. clds. in the Hor.; D. F. clds. like \⌒⎽i moving Ed.: ⊙ shines faintly.
20·0	·20	8/8	A.	\⌒⎽i from the SW., W below; and \⌒i overhead moving Ed: D. F. clds and \⌒⎽ in the Hor: a few breaks around the Hor.: rain 5m. before the hour.
·1	·21	8/8	D.	Overcast with D F. clds; and ⌒ and \⌒⎽ in the Hor.
·2	·22	6/8	D.	\⌒i scattered, F. clds below, moving NE: \⌒⎽, and ⌒ in the Hor.
·3	·23	7/8	D.	\⌒⎽i and F. clds below, moving NE; overcast above: ⌒ under \⌒⎽i in the Hor.
20·4	20·0	5/8	D.	Overcast above: thin F. clds. and \⌒⎽i moving NE., below: ⌒ under \⌒⎽i in E. Hor.
·5	·1	8/8	G.	Overcast with \⌒⎽i; and lower strata of \⌒⎽i moving from W. to E.
·6	·2	8/8	G.	Overcast with \⌒⎽i; and lower strata of \⌒⎽i moving from W. to E.
·7	·3	8/8	G.	Huge masses of \⌒⎽i moving from W. to E below
·8	·4	7/8	G.	Huge masses of \⌒⎽i moving from W. to E. below: Zth. clear.
·9	·5	8/8	A.	\⌒⎽i, in masses below, moving Ed: overcast above, with D. undefined clds.
·10	·6	8/8	A.	\⌒⎽i, in masses below, moving Ed.: overcast above, with D. undefined clds.
·11	·7	8/8	A.	\⌒⎽i, in masses below, moving Ed.: overcast above, with D undefined clds.
·12	·8	8/8	A.	Huge masses of \⌒⎽i below, moving Ed.; overcast above, with D. undefined clds.: raining lightly.
·13	·9	7/8	D.	\⌒⎽i moving E; rain at 13h. 16m.
·14	·10	8/8	D.	Overcast with \⌒⎽: raining.
·15	·11	7/8	D.	\⌒⎽i in large masses moving E.: light rain.
·16	·12	7/8	D.	\⌒⎽i in large masses moving E.
·17	·13	7/8	G.	\⌒⎽i in large masses moving E.: below; and overcast above: a break in the NE.
·18	·14	5/8	G.	\⌒⎽i moving from W. to E. below; and \⌒i scattered above.
·19	·15	8/8	G.	\⌒⎽i moving uniformly from W. to E.
·20	·16	8/8	G.	Huge masses of \⌒⎽ moving from W. to E, below; and D. \⌒i from SE. to NW. above.
·21	·17	8/8	A.	\⌒⎽i, in masses, moving Ed. below, from all directions; overcast above with D. clds.
·22	·18	8/8	A.	\⌒⎽i and D. F. ⌒i moving E: ⊙ shines, but casts no shadow: \⌒⎽i, and ⌒i in the Hor.
·23	·19	8/8	A.	\⌒⎽i, and ⌒ in the Hor; F. ⌒i almost \⌒i moving Ed.
21·0	·20	8/8	A.	\⌒⎽ below, in masses, moving E.: overcast above with D. undefined clds; drizzling rain.
·1	·21	7/8	D.	\⌒⎽i below, in masses, moving E: overcast above: ⌒, and \⌒⎽ in the Hor.
·2	·22	8/8	D.	D \⌒i throughout; \⌒⎽, and ⌒ in the Hor.
·3	·23	6/8	D.	F. clds and \⌒⎽i below, moving E.; \⌒ and F. clds. scattered above: ⌒, and \⌒⎽ in the Hor.
·4	21·0	6/8	D.	\⌒i, and F. clds. scattered above; F. clds below, moving E.: ⌒, and \⌒⎽ in the Hor: Zth. partly clear.
·5	·1	7/8	G.	D ⌒, and \⌒⎽ in the Hor; detached masses of F. ⌒ below, moving from W. to E; and D \⌒i moving from S to N. above. a few breaks about the Zth.
·6	·2	8/8	G.	\⌒⎽ in Hor; D F clds moving from W. to E. below, and \⌒ scattered above.
·7	·3	8/8	G.	Densely overcast with two strata \⌒⎽i one above and the other below; the lower moving from W. to E.
·8	·4	7/8	G.	Densely overcast with \⌒⎽i in the Hor.; and detached masses of \⌒⎽i moving from W. to E.
·9	·5	8/8	A.	\⌒⎽i below moving E; overcast above with L. clds. through which the stars are faintly shining: a break in the SW.
·10	·6	8/8	A.	\⌒⎽i below moving E; overcast above with L. clds. through which the stars are faintly shining: a break in the SW.
·11	·7	8/8	A.	\⌒⎽i below moving E.: overcast above with L. clds through which the stars are faintly shining: a break in the SW.
·12	·8	8/8	A.	\⌒⎽ in masses moving E. below; overcast above with D undefined clds: a small break S of Zth.

AUGUST, 1846.

Bombay. Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
21·13	21· 9	8/8	D.	⋁⌊i moving E.: raining lightly.
·14	·10	8/8	D.	⋁⌊i below moving E.; overcast above.
·15	·11	7/8	D.	⋁⌊i below moving E.: overcast above: stars faintly visible in the Zth.
·16	·12	7/8	D.	⋁⌊i moving E.: Zth. nearly clear.
·17	·13	8/8	G.	Overcast above; and detached masses. ⋁⌊ moving from SW. to NE: a shower of rain at 12m. before the full hour.
·18	·14	8/8	G.	Overcast with ∖i, ∖⌊i, and ⋁⌒ above; and D. F. clds. and ⋁⌊i moving conjointly from SW. to NE below.
·19	·15	7/8	G.	⌒ in the NE.; upper current of ⋁⌒i from NW. to SE.; and lower current of D. ⋁⌊ from SW. to NE.
·20	·16	8/8	G.	Uniformly overcast with ⋁⌊i.
·21	·17	8/8	A.	⋁⌊i in the Hor; ⋁⌊., and D. F. clds. moving E.: a shower of rain lasted 11m.
·22	·18	8/8	A.	⋁⌊, and ⌒ in the Hor.; ⋁⌊i, and D. F. clds. moving E.
·23	·19	8/8	A.	⋁⌊, and ⌒ in the Hor.; ⋁⌊i, and D. F clds. moving E.
22· 0	·20	6/8	A.	⌒, and D. F. clds. in the Hor.; ⋁⌒i in the N.; and L. F. scattered moving Ed. ∖i in the Zth. scattered.
· 1	·21	7/8	D.	⋁⌒i throughout; ∖⌊i, and ∖i, in the SE. and SW.: ⌒, and ⋁⌊ in the Hor.
· 2	·22	7/8	D.	⋁⌒i throughout; ∖⌊i, and ∖i in the SE. S. and S.: ⌒, and ⋁⌊ in the Hor.
· 3	.23	7/8	D.	⋁⌒i throughout; ⌒ in the Hor.: L. F. clds. moving E.
23· 4	23· 0	8/8	D.	⌒ in the W. and NW.; densely overcast above with ⋁⌊i; and detached masses of F. ⌒i, and ⋁⌊i moving from W. to E. below.
· 5	· 1	7/8	G.	Huge masses of ⋁⌊i moving from SW. to NE. below; and D. ⋁⌒, and F. clds. from SE to NW. above.
· 6	· 2	7/8	G.	Lower current of ⋁⌊i moving from W. to E.; and upper current of ⋁⌒i from SE to NW.
· 7	· 3	8/8	G.	⋁⌊i, and D. F. ⌒i moving conjointly from W. to E.: a shower of rain at 7h. 52m.
· 8	· 4	8/8	G.	Overcast with ⋁⌊ in the NE.; and detached masses of F. ⌒i, and ⋁⌊i moving from W. to E.
· 9	· 5	5/8	A.	Detached ⋁⌊i; and a large mass of ⋁⌊ from the NW. moving SE.
·10	· 6	6/8	A.	Detached ⋁⌊i; and a large mass of ⋁⌊ in the W. moving E.
·11	· 7	2/8	A.	⋁⌊i in Hor.
·12	· 8	2/8	A.	⋁⌊i in Hor.
·13	· 9	6/8	D.	⋁⌊i scattered moving E.
·14	·10	2/8	D.	⋁⌊i scattered throughout.
.15	·11	2/8	D.	⋁⌊i in E., W., N. and S.: Zth. clear: light rain.
·16	·12	7/8	D.	⋁⌊i moving E.
·17	·13	7/8	G.	⋁⌊i moving E.
·18	·14	8/8	G.	D. F. ⌒, and ⋁⌒i above, both moving from W. to E.
·19	·15	6/8	G.	Densely overcast above with F. clds. and ⋁⌊; detached masses of ⋁⌊i moving from SW. to NE. below.
·20	·16	8/8	G.	⋁⌊i in two strata, the lower moving from SW. to NE.
·21	·17	6/8	A.	⋁⌊ below, in masses, moving E.; overcast above with D. undefined clds.
·22	·18	8/8	A.	⋁⌊i; and D. F. clds. moving E.
·23	·19	8/8	A.	⋁⌊i, and ⌒ in the Hor.; D. F. clds. below; and ⋁⌒i overhead: ∖i scattered above moving E.
24· 0	·20	7/8	A.	⋁⌊i, and ⌒⌊ around the Hor.; D. F. ⌒i below moving rapidly E.: ∖i scattered above and stationary.
· 1	·21	7/8	D.	⋁⌊i, and ⌒⌊ in the Hor.; D. F. clds. and ⋁⌊, below, moving E.; ⋁⌒i, above.
· 2	·22	7/8	D.	⋁⌊i, and ⌒⌊ in the Hor.; light F. clds. moving E., below; ⋁⌒, ∖, and F. clds. above.
24· 3	23·23	6/8	D.	⋁⌊i, and ⌒⌊ in the Hor.; ⋁⌊, below, moving slowly E.; F. clds. and ⋁⌒i above.
· 4	24· 0	7/8	D.	⌒⌊, and ⋁⌊ in the Hor; F. clds, below, moving NE.; ∖i, ⋁⌒i and ∖⌊i scattered, above.
· 5	· 1	7/8	G.	⌒⌊, and ⋁⌊ in the Hor.; F. clds. moving from SW. to NE. below; and ∖i, ⋁⌒i, and ∖⌊ moving from W. to E. above.
· 6	· 2	8/8	G.	Overcast above with ∖i, ∖⌊i, and ⋁⌒i; and detached masses ⋁⌊i and F. clds moving from SW. to N. by E.
· 7	· 3	7/8	G.	⋁⌊i, and ∖i scattered above; and ⋁⌊ moving from W. to E.
· 8	· 4	8/8	G.	Overcast above with ⋁⌊i; and detached masses of ⋁⌊i moving, from W. to E.
· 9	· 5	3/8	A.	⋁⌊i scattered about the Hor.
·10	· 6	6/8	A.	⋁⌊i in the Hor. and NW.
·11	· 7	3/8	A.	⋁⌊i scattered around the Hor.
·12	· 8	2/8	A.	⋁⌊i scattered in the Hor.
·13	· 9	6/8	D.	⋁⌊i moving E.
·14	·10	2/8	D.	⋁⌊i in E., W., N. and S.: Zth. clear.
·15	·11	5/8	D.	⋁⌊i moving E.
·16	·12	6/8	D.	⋁⌊i moving E.
·17	·13	8/8	G.	⋁⌊i moving NE. from SW. below; and ∖i, ⋁⌒i, and ∖⌊i scattered above: a shower of rain lasted 25m.
·18	·14	8/8	G.	⋁⌊i moving N. from S. below; and ∖i, ⋁⌒i, and ∖⌊i scattered above.
.19	·15	7/8	G.	⋁⌊, ⌒⌊, and ⌒ in the Hor.; D. ⋁⌒ moving from S. to N.
·20	·16	6/8	G.	⌒⌊, and ⌒ in the Hor; D. F. ⌒ moving from SW. to NE.
·21	·17	2/8	A.	⌒⌊, and ⌒ in the Hor.
·22	·18	4/8	A.	⌒⌊, and ⌒ in the Hor.; masses of D. F. clds. moving N.
·23	·19	2/8	A.	⌒⌊, and ⌒ in Hor: a line of L. F. clds. extending from the S. to SW. Hor. changed into cymoid at 19h. 11m.
25· 0	·20	6/8	A.	⌒⌊, and ⌒ in the Hor., one large mass from the SW., and a smaller mass from the W. and S. moving to N. by E.
· 1	·21	8/8	D.	⌒⌊, and ⌒ in the Hor.; F. clds. moving N. below; ⋁⌊i, and ⋁⌒i, in N., E., and S., scattered.
· 2	·22	3/8	D.	⌒⌊, and ⌒ in the Hor.; F. clds. moving NE., below; ∖i, ∖⌊i and ⋁⌒i, scattered above in the N., E., S. and Zth.
· 3	·23	6/8	D.	⌒⌊, and ⌒ in the Hor.; D. F clds. moving NE. below; ⋁⌒ scattered above.
· 4	25· 0	6/8	D.	⌒⌊, and ⌒ in the Hor.: F. clds. moving NE.: ⋁⌊ in the NW., W., SW. and S.
· 5	· 1	4/8	G.	⌒⌊, and ⌒ in the Hor.; F. clds. moving NE., below; and ⋁⌒i moving from SE. to NW.
· 6	· 2	2/8	G.	⌒ in the Hor.; a few masses of F. ⌒ moving from SW. to E. by N.: ∖⌊ in NW.
· 7	· 3	6/8	G.	Huge masses of F. ⌒i moving from SW. to NE.
· 8	· 4	1/8	G.	L. F. ⌒ in the Hor.
· 9	· 5	2/8	A.	⋁⌊i scattered in the Hor.
·10	· 6	2/8	A.	⋁⌊i scattered in the Hor.
·11	· 7	3/8	A.	⋁⌊i scattered in the Hor., and from the SW. moving NE.
·12	· 8	2/8	A.	⋁⌊i scattered in the Hor.: a mass of ⋁⌊ from the W. moving NW.
·13	· 9	3/8	D.	⋁⌊i scattered in the E., W., N. and S.: Zth. clear.
·14	·10	1/8	D.	⋁⌊i scattered in the E., W., N. and S.
·15	·11	4/8	D.	⋁⌊i in large masses moving NE.
·16	·12		D.	Clear.
·17	·13	6/8	G.	⋁⌊i; and F. clds. moving from SW. to NE.

AUGUST, 1846.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
25·18	25·14	6/8	G.	╲_i, ╲i, and ╲⌒i, scattered, moving from SE. to NW. above; and a mass of ╲⌒_i moving from SW. to NE. below: ⌒i in the Hor.
.19	·15	6/8	G.	L. ╲i, and ╲_i scattered, above; and detached masses of F. clds. moving from SW. to NE.
·20	·16	6/8	G.	⌒ in the Hor.; and detached masses of F. ⌒i moving from SW. to NE. below: L. ╲i above.
·21	·17	4/8	A.	⌒ in the Hor.; masses of D. F. clds. moving to the N by E. from the W. and S.
·22	.18	5/8	A.	⌒ in the Hor; D. F. ⌒i fron the W. and S. moving NE.
·23	·19	4/8	A.	⌒ in the Hor.; D. F. clds. from the N., W. and S. moving NE.
26· 0	·20	8/8	A.	⌒ in the Hor; few D. F. ⌒i moving NE; ╲_ around the Hor.: ╲i moving W.
· 1	·21	8/8	D.	⌒ in the Hor; ╲i, and ╲_i, above throughout; F. clds., moving NE, below.
· 2	·22	8/8	D.	⌒ in the Hor.; ╲i, and ╲_i, above throughout; F. clds., moving NE., below.
· 3	·23	8/8	D.	⌒ in the Hor.; ╲i, and ╲_i, above throughout; F. clds. moving NE. below.
· 4	26· 0	8/8	D.	╲i, and ╲_i above throughout; F. clds. below moving NE: ⌒ in the Hor.
· 5	· 1	8/8	G.	D. ╲i, and ╲_i scattered throughout the upper region; and F. clds. in detached masses moving from SW. to NE. below: ⌒ in the Hor.
· 6	· 2	8/8	G.	⌒ in the Hor.; ╲i, ╲_i, and ╲⌒ scattered above; and detached masses of F. clds. moving from SW. to NE. below.
· 7	· 3	7/8	G.	⌒ in the Hor.; ╲i, ╲_i, and ╲⌒ scattered above; and detached masses of F. clds. moving from SW. to NE. below.
· 8	· 4	6/8	G.	L. ╲i scattered above; and huge masses of ╲⌒_i moving from SW. to NE. below.
· 9	· 5	2/8	A.	╲⌒_i scattered in the Hor.
·10	· 6	4/8	A.	╲⌒_i scattered in the Hor.; masses of ╲⌒_i from the NW. and SW. moving E.
·11	· 7	6/8	A.	╲⌒_i scattered in the Hor; masses of ╲⌒_i from the SW. moving E.
·12	· 8	7/8	A.	One huge mass of ╲⌒_i moving to E. by N.: clear round the Hor.: few drops of rain at 12m. before the hour.
·13	· 9	2/8	D.	╲⌒_i in the Hor
·14	·10	4/8	D.	╲⌒_i scattered.
·15	·11	4/8	D.	╲⌒_i scattered: rain at 15h. 39m.
·16	·12	4/8	D.	╲⌒_i scattered moving E.
·17	·13	6/8	G.	⌒ in the Hor.; ╲i, and ╲_i scattered above; and ╲⌒_i and L. F. clds moving from SW to E. below.
·18	·14	5/8	G.	Huge masses of ╲⌒_i moving from SW. to NE.; and ╲⌒i moving from NE. to SW., above.
19	·15	8/8	G.	⌒ in the W. Hor.; D. overcast above with ╲⌒i; and ╲⌒_i moving from SW. to NE below.
·20	·16	8/8	G.	⌒ all round the Hor.: D overcast the Hor. with ╲⌒_i in two strata, the lower moving NE.
.21	·17	7/8	A.	⌒, and ╲⌒_ in the Hor; masses of ╲⌒_i below; and D. F. ⌒i above both moving E.: a light shower of rain at 17h. 39m.
·22	·18	8/8	A.	⌒, and ╲⌒_i in the Hor. ╲⌒_ in masses moving E. below, ╲_i and ╲i above.
·23	·19	8/8	A.	⌒, and ╲⌒_ in the Hor.; D. F. ⌒i below moving Ed; ╲⌒i overhead moving Wd., ╲_ and ╲i.
27· 0	·20	8/8	A.	⌒, and ╲⌒_ in the Hor: D. clds. moving towards the E by S. F. ╲ scattered above.
· 1	·21	8/8	D.	⌒, and ╲⌒_ in the Hor., D. F. clds throughout.
· 2	·22	5/8	D.	⌒ in the SE. Hor. the rest overcast: light rain at 2h. 25m.
· 3	·23	8/8	D.	╲⌒_i below, moving E.; overcast above: raining lightly.
27· 4	·27· 0	8/8	D.	╲⌒i throughout; ╲⌒_., and ⌒ in the Hor: light rain at 4h. 22m.
· 5	· 1	8/8	G.	Upper current of ╲⌒i moving from E. to W.; and lower of ╲⌒_i moving from SW. to NE.
· 6	· 2	8/8	G.	Upper current of ╲⌒i moving from E. to W.; and lower of ╲⌒_i moving from SW. to NE.
. 7	· 3	5/8	G.	L. ╲i scattered above; and ╲⌒_i moving from W to E. below
· 8	· 4	7/8	G.	L. ╲i and ⌒ scattered above; detached masses of ╲⌒_i moving E.
· 9	· 5	3/8	A.	╲⌒_i scattered in the Hor.; ╲⌒_i moving NE. from the NW. and S.
·10	· 6	4/8	A.	╲⌒_i scattered in the Hor.; masses of ╲⌒_ moving Ed. from the SW. and NW.
·11	· 7	6/8	A.	╲⌒_i in the Hor; masses of ╲⌒_i moving Ed. from all directions.
·12	. 8	6/8	A.	╲⌒_i in the Hor; masses of ╲⌒_i moving Ed. from all directions: a shower of rain lasted 8m.
·13	· 9	6/8	D.	╲⌒_i scattered throughout.
·14	·10	5/8	D.	╲⌒_i in E., W., N. and S.: Zth. clear.
·15	·11	4/8	D.	╲⌒_i in E., W., N. and S.: Zth. clear.
·16	·12	4/8	D.	╲⌒_i in E., W., N. and S.: Zth. clear.
·17	·13	6/8	G.	Overcast with ╲i, and ╲⌒i above; and ╲⌒_i in detached masses moving from W. to E. below.
·18	·14	8/8	G.	Patches of ╲⌒i moving from SE. to NW. above; detached masses of D. F. ⌒i, and ╲⌒_i from SW. to NE. below.
·19	·15	8/8	G.	⌒i, and ⌒_ in the Hor.; ╲⌒i, ╲i, and ╲_i scattered above, moving from SE. to NW.; and F. ⌒ from W. to E. below.
·20	·16	8/8	G.	⌒i, and ⌒_ in the Hor.; ╲⌒i, ╲i, and ╲_i scattered above, moving from SE. to NW.; and F. ⌒ from W. to E. below.
·21	·17	8/8	A.	⌒ in the Hor.; D. F. clds.; ╲⌒i in NW. moving Ed: ╲i above.
·22	·18	7/8	A.	⌒_ in SW. Hor.; ⌒ in the remaining Hor.; F. clds. moving Ed.: Zth. and W. of the Zth clear: ⌒_ changed in ╲⌒_ which spread all over the sky, and rain, preceded by a fresh breeze, commenced falling at 22h. 6m. lasted 9m.
·23	·19	8/8	A.	⌒_ in SW. Hor.; ⌒i in the remaining Hor; D. F. ⌒i moving Ed from the SW. and NW.: very thin ╲i throughout.
28· 0	·20	8/8	A.	⌒ in the Hor.: a line of F. clds, stretching from the N. to the SW.; F. ⌒i almost ╲⌒i overhead moving Ed.: ╲i scattered above.
· 1	·21	6/8	D.	⌒ in the Hor; F. clds. moving E below; ╲_, and ╲⌒ scattered above.
· 2	·22	6/8	D.	⌒, and ⌒_ in the Hor; F. clds. moving E below, ╲i, and ╲_i scattered above.
· 3	·23	7/8	D.	⌒, and ╲⌒_ in the Hor; F. clds. moving E. below: ╲_i, ╲⌒i and F. clds. above.
· 4	28· 0	7/8	D.	╲⌒_i, and ⌒ in the Hor; F. clds., moving E., below; ╲i, ╲⌒i and F. clds. above.
· 5	· 1	8/8	G.	Overcast with ╲⌒_i in two strata, the lower moving E.: raining lightly
· 6	· 2	6/8	G.	╲i, ╲⌒i, and ╲_i scattered above, and huge masses of ╲⌒_i moving from W. to E. below.
· 7	· 3	8/8	G.	L. ╲i scattered above; and huge masses of ╲⌒_i moving from W. to E., below.
· 8	· 4	8/8	G.	L. ╲i scattered above; and huge masses of ╲⌒_i moving from W. to E. below: a shower of rain.
· 9	· 5	6/8	A.	F. clds. from the SW. moving NE: a huge mass of D. F. clds almost ╲⌒_ extending to Zth. from the NE and E.
·10	· 6	8/8	A.	Huge masses of ╲⌒_i from the SW., W. moving NE., ╲⌒_ in Hor; D. F. clds. almost ╲⌒_i above: a few drops of rain.
·11	· 7	7/8	A.	╲⌒_i moving NE. from all directions

AUGUST, 1846.

Bombay Mean Time	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
28·12	28· 8	6/8	A.	∖⌒⎽i in the Hor; ∖⌒⎽i moving E. from all directions.
·13	· 9	5/8	D.	∖⌒⎽i scattered, moving E.: Zth. clear.
·14	·10	8/8	D.	∖⌒⎽i throughout.
·15	·11	8/8	D.	∖⌒⎽i : raining very lightly.
·16	·12	8/8	D.	∖⌒⎽i : raining.
·17	·13	8/8	G.	Overcast with ∖⌒⎽i above; and huge and broken masses moving from W. to E., below.
·18	·14	7/8	G.	⌒⎽ in the W. and N.; ⌒ in the Hor.; upper current of ∖⌒i from SE. to NW.; and lower current of ∖⌒⎽i from W. to E.
·19	·15	6/8	G.	⌒⎽i, and ∖⌒⎽ (scattered all round the Hor.) extending towards the Zth.; and ∖⌒i moving from SE. to NW.
·20	·16	6/8	G.	Thickly overcast with ∖⌒⎽i in the SW.; ∖⌒ moving from SE. to NW. above; and F. clds moving from W. to E. below.
·21	·17	5/8	A.	∖⌒⎽i moving E. from all directions: ∖⎽i in the S. Hor.
·22	18	5/8	A.	∖⌒⎽i, and ⌒ in the Hor.; masses of ∖⌒⎽i moving E. from all directions.
·23	·19	7/8	A.	⌒⎽, and ⌒ in the Hor.; F. ⌒∖i almost ∖⌒i, and dense F. clds. both moving E.
29· 0	·20	8/8	A.	⌒∖i in the Hor.; D. F. clds. moving E: ∖i above.
· 1	·21	7/8	D.	⌒∖i in the Hor; D. F. clds. moving E. below; ∖i, and ∖⎽i, above: Zth. partly clear.
· 2	·22	6/8	D.	⌒⎽, and ⌒ in the Hor.; F. clds. moving E.; ∖i in the NW., S.: Zth. clear.: light rain at 2h 43m.
· 3	·23	6/8	D.	⌒⎽, and ∖⌒⎽ in the Hor; F. clds. and ∖⌒⎽i moving E.: Zth. partly clear.
· 4	29· 0	8/8	D.	Overcast: raining.
· 5	· 1	8/8	G.	∖⌒⎽i moving from SE to NW. above; and F. ⌒∖i, ∖⌒⎽ moving from W. to E. below: raining.
· 6	· 2	8/8	G.	Overcast with ∖⌒⎽i : a heavy shower of rain at 6h. 17m.
· 7	· 3	6/8	G.	∖⌒⎽i along the Hor.; and F. ⌒ moving from W. to E.: clear about Zth.
· 8	· 4	6/8	G.	∖⌒⎽i moving from W. to E.: raining.
· 9	· 5	6/8	A.	Overcast with ∖⌒⎽i: drizzling rain.
·10	· 6	8/8	A.	∖⌒⎽i in two strata, the lower in masses moving Ed.
·11	· 7	6/8	A.	Uniformly overcast with ∖⌒⎽i.
·12	· 8	6/8	A.	∖⌒⎽i in masses moving E. from all directions.
·13	· 9	7/8	D.	∖⌒⎽i scattered throughout.
·14	·10	4/8	D.	∖⌒⎽i scattered in the E., W, N. and S.: Zth. clear.
·15	·11	5/8	D.	∖⌒⎽i scattered moving E.
·16	·12	1/8	D.	∖⌒⎽i scattered in E., W., N. and S.
·17	·13	6/8	G.	∖⌒⎽i, in detached masses, moving from SW. to NE.
·18	·14	4/8	G.	⌒ in the W. Hor.; detached masses of ∖⌒⎽i moving from W. to E. below; and ∖⎽ in the S. and SE. above: Zth. perfectly clear.
·19	·15	3/8	G.	⌒, and ⌒⎽ in the W. Hor.; ∖⌒ moving from SE. to N above; and light F. clds, from SW. to NE. below: Zth. perfectly clear.
·20	·16	7/8	G.	⌒⎽ in the W. and S.; F. clds. in scattered masses moving from W to E.
·21	·17	6/8	A.	⌒, and ∖⌒⎽ in the Hor.; ∖⌒⎽ in masses below moving Ed.; overcast above, with dense clds.
·22	·18	8/8	A.	⌒, and D. F. clds. in the Hor.; masses of D. F. clds. below; and ∖⌒i overhead: L. F. clds. above, both the strata moving NEd.
·23	·19	6/8	A.	⌒, and D. F. clds. in the Hor.; D. F. ⌒∖i moving rapidly NEd. from W., SW.: a line of F. clds. extending from the SW. Hor. to E. Hor.
30· 0	·20	8/8	A.	Huge masses of ∖⌒⎽ moving E. from all directions.
· 1	·21	9/8	D.	Overcast; ⌒ in SE. Hor.: drizzling rain.
30· 2	29·22	8/8	D.	Overcast; ⌒ in SE. and NE. Hor.: rain at 2h. 20m.
· 3	·23	8/8	D.	Overcast; ⌒ in SE.
31· 4	31· 0	8/8	G.	Overcast with ∖⌒⎽i, and F. clds.
· 5	· 1	8/8	G.	Overcast with faint ∖i above; and F. ⌒, and ∖⌒i moving from SW. to NE. below.
· 6	· 2	7/8	G.	Overcast ∖⌒⎽i in the W. and N.: F. ⌒∖i above; and ∖⌒ below moving from W. to E.
· 7	· 3	8/8	G.	Uniformly overcast with ∖⌒⎽i, and D. F. clds.: a break in the W.
· 8	· 4	2/8	G.	D. ⌒ in the W. by N; ∖⎽ in the N. and NE.; and L. ∖⌒i in the S. and SE.
· 9	· 5	4/8	A.	⌒, and ∖⌒⎽ in the Hor.: D. F. ⌒∖i moving E. from the SE.
·10	· 6	3/8	A.	⌒, and ∖⌒⎽ like clds. in Hor.; light F. clds. overhead moving E.
·11	· 7	6/8	A.	⌒, and ∖⌒⎽ like clds. in Hor.; masses of D. clds. moving Ed. from all directions.
·12	· 8	6/8	A.	⌒, and D F. clds. in the Hor.: masses of D. F. clds. almost ∖⌒⎽ moving Ed. from all directions.
·13	· 9	6/8	D.	∖⌒⎽i in the E., W., N. and S.: Zth. partly clear: rain at 13h. 45m.
·14	·10	7/8	D.	∖⌒⎽i moving E.: rain at 14h. 34m.
·15	·11	7/8	D.	∖⌒⎽i moving E.: raining lightly.
·16	·12	8/8	D.	∖⌒⎽i below E.: overcast above.
·17	·13	8/8	G.	Overcast with ∖⌒⎽i in the N. and NW.; and detached masses of F. ⌒∖i, and ∖⌒⎽ moving from W. to E.
·18	·14	8/8	G.	Overcast above with ∖i, and ∖⌒i; F. ⌒∖i from W.; and ∖⌒⎽ from SW. moving E.
·19	·15	7/8	G.	∖⌒⎽i, and F. clds. moving from W. to E. below; ∖⌒ from SE. to NW. above; and ⌒ in the Hor.
·20	·16	7/8	G.	Huge masses of F. clds. moving from W. to E. below; ⌒ in the Hor.; and a few ∖⌒i from SE. to NW., above.
·21	·17	6/8	A.	Large masses of ∖⌒⎽ below; and D. F. ⌒∖i almost ∖⌒i above both moving E.
·22	·18	8/8	A.	Large masses of ∖⌒⎽i below; and D. F. ⌒∖i above both moving Ed.: raining very lightly.
·23	·19	8/8	A.	⌒ in the Hor.; D. F. clds. moving to the E. by N. from the W. and E., and from the SW.
Sept. 1st · 0	·20	8/8	A.	Uniformly overcast with F. clds
· 1	·21	8/8	D.	Uniformly overcast with F. clds.
· 2	·22	5/8	D.	∖⌒⎽i, and F. clds. below moving E.; ∖⌒i and F. clds. above: ⌒⎽, and ∖⌒⎽i in the Hor.
· 3	·23	7/8	D.	∖⌒⎽i, and F. clds. below moving E.; ∖⌒i and F. clds. above: ⌒, ∖⌒⎽, and ⌒⎽ in the Hor.: raining.

SEPTEMBER, 1846.

Bombay Mean Time	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
1· 4	1· 0	7/8	D.	∖⌒⎽, and F. clds. below, moving E.; ∖⌒ and F. clds. above: ⌒⎽ and ∖⌒⎽ in the Hor.
· 5	· 1	5/8	G.	Overcast with ∖⌒⎽i in the NW., N., and NE; dense ∖⌒i scattered above; and detached masses of ∖⌒⎽i and F. clds. moving from W. to NE below.
· 6	· 2	6/8	G.	Overcast with ∖⌒⎽i in the W., and E.; ∖⌒ scattered above; and detached masses of F. clds, and ∖⌒⎽i moving from W. to E. below: a shower of rain.
· 7	. 3	8/8	G.	Overcast with ∖⌒⎽i above; and huge masses of F. ⌒, and ∖⌒⎽ moving from W. to E. below.
· 8	· 4	8/8	G.	Overcast with ∖⌒⎽i, above; and huge masses of F. ⌒, and ∖⌒⎽ moving from W. to E. below.
· 9	· 5	8/8	A.	⌒, and D. F. clds. in the Hor.; masses of D. F. clds. below moving Ed., ∖⎽ and ∖i throughout above: a lunar halo: a very heavy shower of rain which lasted 13m.

SEPTEMBER, 1846.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky	Observer.	State of the Weather.
D. H.	D. H.			
1·10	1· 6	8/8	A.	Uniformly overcast with ∨⎽i: drizzling rain.
·11	· 7	8/8	A.	Masses of ∨⎽i, below; and L F. clds. above both moving E.: a lunar halo.
·12	· 8	8/8	A.	Masses of ∨⎽i below, moving NE.; overcast above, uniformly with ⟍⎽i and L. F. clds.
·13	· 9	5/8	D.	Overcast with ∨⎽i.
·14	·10	5/8	D.	∨⎽i moving E.: Zth. partly clear.
·15	·11	4/8	D.	∨⎽i moving E.: Zth. clear.
·16	·12		D.	Clear.
·17	·13	4/8	G.	⌒, ∨⎽, and ⌒⎽ in the Hor; and huge masses of ∨⎽i moving from W. to E.
·18	·14	7/8	G.	D. ⌒⎽, and ∨⎽ in ihe Hor; ∨⌒ moving from S. to N. above; and detached masses F. ⌒i, and ∨⎽i moving from W. to E. below.
·19	·15	7/8	G.	D. ⌒⎽, and ∨⎽ in the Hor.; ∨⌒ moving from S. to N. above: ∨⎽i moving in two strata from W. to E.
·20	·16	8/8	G.	D ⌒⎽, and ∨⎽ in the Hor.; and D. F. ⌒i moving from W. to E.
·21	·17	8/8	A.	L F. clds. in the W. Hor.; ⌒, and D. F. clds. in the remaining Hor.: masses of D. F. clds. below; few L. F. clds. scattered above both moving E.; ⟍i in the Zth.
·22	·18	8/8	A.	∨⎽ in the S. and W. Hor.; ⌒ and D. F. clds. in the remaining Hor.: masses of ∨⎽i below; and D. F. ⌒ above both moving NE.: ∨⎽ spreading over rapidly from the S. and W. Hor.: light rain at 22h. 24m.
·23	·19	8/8	A.	Masses of ∨⎽i, and D. F. clds. almost ∨⎽ both moving E.
2· 0	·20	8/8	A.	⌒⎽, and ⌒ in the Hor.; huge masses of ∨⎽i, below, moving E.: L. F. clds. above, stationary: ⟍i throughout.
· 1	·21	5/8	D.	⌒⎽, and ∨⎽ in the Hor.: D. F. clds. moving E.
· 2	·22	4/8	D.	⌒⎽, and ∨⎽ in the Hor; F. clds. moving E.: ∨⌒i in the NW., N., NE., SW.. S. and SE.
· 3	·23	6/8	D.	⌒⎽, and ∨⎽ in the Hor.; F. clds. moving E.; ∨⌒i in the NW., N. and NE.; Zth. partly clear.
· 4	2· 0	6/8	D.	⌒⎽, and ∨⎽ in the Hor.; ⟍i in the N.; and D. F. clds. moving E.
· 5	· 1	7/8	G.	⌒⎽, and ∨⎽ in the Hor.; ⟍i, and ∨⌒i moving from SE. to NW. above; and D. F. ⌒ moving from W. to E., below.
· 6	· 2	7/8	G.	∨⎽i moving uniformly from W. to E.: raining.
· 7	· 3	8/8	G.	∨⎽i moving uniformly from W. to E.
· 8	· 4	8/8	G.	∨⎽i moving uniformly from W. to E.
· 9	· 5	8/8	A.	∨⎽ in masses below; ∨⌒i in the SW.; and D. F. ⌒ moving E.: ⌒ and ∨⎽i in the Hor.
·10	· 6	8/8	A.	∨⎽, and ⌒ in the Hor.; masses of ∨⎽i below, and dense F. ⌒i almost ∨⌒i above both moving Ed.
·11	· 7	8/8	A.	∨⎽ in the Hor.: ∨⌒i all over moving very slowly E.
·12	· 8	8/8	A.	Overcast with ∨⎽i moving to the E. by N.; ∨⌒i in the W: 11m. after the hour ∨⌒i over the whole sky.
·13	· 9	8/8	D.	Overcast with ∨⌒ above; and detached masses of ∨⎽i moving E.: ∨⎽ in the Hor.
·14	·10	7/8	D.	∨⎽i scattered throughout; ∨⎽ in the Hor.: Zth. partly clear.
·15	·11	4/8	D.	Masses of ∨⎽i moving E.
·16	·12	4/8	D.	Masses of ∨⎽i moving E.
·17	·13	8/8	G.	Overcast with ∨⎽ above; and detached masses of ∨⎽, F. ⌒ moving from W. to E. below.
·18	·14	8/8	G.	Patches of D. ∨⌒ moving from SE. to NW. above; and ∨⎽i, and F. ⌒ moving from W. to E., below.
·19	·15	8/8	G.	⌒ in the E Hor; ⌒⎽ in the W. extending towards the Zth.; overcast above with ∨⌒i, and ∨⎽ moving from W. to E. below: a shower of rain at 19h. 30m.
·20	·16		G.	Patches of ∨⌒ moving from S. to N. above; ∨⎽i, and F. ⌒i moving from W. to E. below: ⌒i in the Hor.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
2·21	2·17	8/8	A.	⌒, and D. F. clds. in the Hor.; D F. clds. below moving E. from the SW., NE. and the W.: ∨⌒i in the Zth. and L. F. clds. scattered above, moving W.
·22	·18	8/8	A.	Overcast with D. undefined clds: the ⊙ shines, but casts no shadow.
·23	·19	8/8	A.	⌒, and ∨⎽i in the Hor; ∨⌒i moving Ed: the ⊙ shines, but casts no shadow.
3· 0	·20	8/8	A.	⌒, and D. F. clds extending about 45° above the Hor.; masses of D. F. clds. below, and L. F. ⌒ above both moving E.
· 1	·21	7/8	D.	⌒, and ∨⎽ in the Hor.: F. clds., and ∨⎽ moving slowly E
· 2	·22	7/8	D.	⌒, and ∨⎽ in the Hor.: F. clds below, moving slowly E: ⟍i, ⟍⎽, and ∨⌒i scattered above.
· 3	·23	7/8	D.	⌒, ⌒⎽. and ∨⎽ in the Hor: F. clds. and ∨⎽, below, moving E: ⟍i, ⟍⎽i, and ∨⌒i scattered above.
· 4	3· 0	7/8	D.	∨⌒ above, scattered; F. clds. below moving E: ⌒, ⌒⎽, and ∨⎽ in the Hor.
· 5	· 1	7/8	G.	Upper current of ∨⎽i moving from S. to N.; lower current of F. ⌒i and ∨⎽ moving from SW. to NE; and ⌒, and ⌒⎽ in the Hor.
· 6	· 2	7/8	G.	Patches of ∨⌒ moving from S. to N. above; detached masses of F. ⌒i, and ∨⌒i moving from W. to E. below.
· 7	· 3	6/8	G.	Patches of ∨⌒ moving from SE. to NE. above; ⌒, and ∨⎽ along the Hor; and a detached mass of F. ⌒i moving from W. to E. below: clear about the Zth.
· 8	· 4	7/8	G.	Patches of ∨⌒ moving from SE. to NW., above; and huge masses of ∨⎽i moving from SW. to NE. below.
· 9	· 5	8/8	A.	Masses of D. F. clds. moving E. from all directions.
·10	· 6	8/8	A.	Masses of D F. clds. almost ∨⎽i moving slowly E. from all directions.
·11	· 7	8/8	A.	Uniformly overcast with ∨⎽ like clds. in patches, moving E.
·12	· 8	8/8	A.	Masses of ∨⎽ below moving E.; overcast above with clds. almost ∨⎽i.
·13	· 9	8/8	D.	Masses of ∨⎽ below moving E.; overcast above with ∨⌒i, and F. clds.: raining.
·14	·10	8/8	D.	∨⎽i; and F. clds. moving NE: raining.
·15	·11	8/8	D.	∨⎽ below moving NE.: overcast above.
·16	·12	6/8	D.	∨⎽ below moving NE: ∨⌒ scattered above.
·17	·13	8/8	G.	D. ∨⎽i moving from SW. to NE. below; and ∨⌒ scattered above.
·18	·14	8/8	G.	Patches of ∨⌒ moving from SE. to NW. above; and D. ∨⎽ moving from W. to E. below.
·19	·15	8/8	G.	Patches of ∨⌒, and D F. clds. moving from SE. to NW. above; detached masses ∨⎽i moving from W to E. below; and ⌒ in the W. Hor.
·20	·16	8/8	G.	D. ⌒, and ⌒⎽i in the Hor. extending towards the Zth.; ∨⌒ moving from SE to NW. above; and detached masses ∨⎽i moving from SW. to NE. below: raining lightly.
·21	17	8/8	A.	⌒, and ∨⎽i in the Hor; large masses of ∨⎽i and D. F. clds moving from E. to W.; raining lightly.
·22	·18	8/8	A.	⌒, and ∨⎽i in the Hor.; masses of D F. clds. below moving E.; ∨⌒i, in the Zth. moving W.
·23	·19	8/8	A.	⌒⎽, and ∨⌒⎽i in the Hor.. large masses of D F. clds. from the SW., W. moving NE. below; L. F. clds. scattered above moving W.: haze in the Zth.
4· 0	·20	8/8	A.	⌒⎽ extending about 45° above the Hor; D. F. ⌒i below moving E; ∨⌒i, and L F. clds. scattered above moving W.
· 1	·21	7/8	D.	⌒⎽, and ∨⎽ in the Hor; ⟍i, ⟍⎽i, ∨⌒i and F. clds. scattered throughout.
· 2	·22	7/8	D.	⌒⎽. and ∨⎽ in the Hor.; ⟍i, ⟍⎽i and F. clds. scattered throughout: ∨⌒ in the N.
· 3	·23	7/8	D.	⌒⎽. and ∨⎽ in the Hor: ∨⌒i, ⟍⎽i and F. clds scattered above; and F clds. moving E. below.

SEPTEMBER, 1846.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
4· 4	4· 0	6/8	D.	⌒_, and ╲⌒_ in the Hor.; D. F. clds. below moving E: ╲, and ╲_ scattered above.
· 5	· 1	7/8	G.	⌒, and ⌒_ in the W. and N. Hor.; F. ⌒i, and ╲⌒_i scattered above; and detached masses of ╲⌒_ moving from W. to E. below.
· 6	· 2	2/8	G.	D. overcast with ╲⌒_: and F. clds. above: a few masses of ╲⌒_i moving from W. to E. below.
· 7	· 3	8/8	G.	Overcast with ╲⌒_, in two strata, the lower moving from W. to E.
· 8	· 4	7/8	G.	Overcast with ╲⌒_i above; and detached masses of F. ⌒i, and ╲⌒_i moving from W. to E. below.
· 9	· 5	6/8	A.	D. F. clds. almost ╲⌒_i moving E.
·10	· 6	6/8	A.	D. F. clds, moving W. from all directions.
·11	· 7	7/8	A.	D. F. clds. like ╲⌒_ moving SW.: ╲⌒_ in the Hor.
·12	· 8	8/8	A.	D. F. clds. moving SW.: ╲⌒i rapidly forming.
·13	· 9	8/8	D.	╲⌒_i below, moving E.; ╲⌒_i above.
·14	·10	8/8	D.	╲⌒_i below, moving E.; ╲⌒_i above.
·15	·11	6/8	D.	╲⌒_i below, moving E.; ╲⌒_i above.
·16	·12	6/8	D.	F. clds. below moving E.; ╲⌒_ scatterred above: ⌒_, and ⌒ in the Hor,
·17	·13	8/8	G.	╲⌒_i along the Hor.; and ╲i, and ╲⌒ moving from S. to N. above; L. F. ⌒i moving from W. to E. below.
·18	·14	7/8	G.	╲, ╲⌒; and ╲_ moving from SE. to NW. above; and ╲⌒_i and F. ⌒i moving from W. to E., below.
·19	·15	8/8	G.	╲, ╲⌒; and ╲_ moving from SE. to NW. above; and ╲⌒_i and F. ⌒i moving from W. to E. below.
·20	·16	8/8	G.	╲, ╲⌒; and ╲_ moving from SE. to NW. above; and ⌒_ in the Hor; F. ⌒i in detached masses moving from W. to E. below.
·21	·17	6/8	A.	Masses of ╲⌒_i below, moving E; overcast above with D. F. clds.: raining.
·22	·18	6/8	A.	D. F. clds. scattered below, moving E.; ╲⌒i and L. F. ⌒i above moving W. ╲⌒_ in the SW, spreading E.; ⌒_ in the NE. extended to Zth. moving slowly E.
·23	·19	8/8	A.	Masses of ╲⌒_i below, moving E.; overcast above with D. clds.: raining.
5· 0	·20	8/8	A.	Masses of ╲⌒_i below, moving SE.; overcast above with D. clds.: raining.
· 1	·21	8/8	D.	⌒ in the Hor.; and the rest clouded with ╲⌒, ╲, ╲_ and F. clds.
· 2	.22	5/8	D.	⌒ in the Hor.; ╲, ╲_, ╲⌒ and F. clds. scattered throughout.
· 3	·23	8/8	D.	⌒, ⌒_, and ╲⌒_ in the Hor.: ╲, ╲_, ╲⌒ and F. clds scatterred above: F. clds. below, moving E.
6· 4	6· 0	8/8	D.	Upper current ╲⌒_i moving from SE. to NW.; and lower ╲⌒_i from W. to E.
· 5	· 1	8/8	G.	Overcast with ╲⌒_ above, and a lower stratum of ╲⌒_i moving from W. to E.
· 6	· 2	8/8	G.	Overcast with ╲⌒_ in two strata, the lower moving from W. to E.: raining.
· 7	· 3	8/8	G.	Uniformly overcast with ╲⌒_i: drizzling rain.
· 8	· 4	8/8	G.	Uniformly overcast with ╲⌒_i.
· 8	· 5	8/8	A.	Masses of ╲⌒_i below, moving E.; overcast above with clouds almost ╲⌒_i: a heavy shower of rain.
·10	· 6	8/8	A.	Uniformly overcast with ╲⌒_i: a shower of rain which lasted about 10 m.
·11	· 7	8/8	A.	╲⌒_i in the Hor.; D. F. clds. moving E.: ☽ faintly shining at intervals.
·12	· 8	8/8	A.	╲⌒_i in the Hor.; D. F. ⌒i and ╲⌒i moving very slowly SW.: ☾ faintly shining.
·13	· 9	8/8	D.	Overcast with ╲⌒ and F. clds. above.; L. F. clds. below, moving E: rain at 9 h. 48 m.
·14	·10	8/8	D.	╲⌒_ below, moving E.; overcast above: raining.
6·15	6·11	8/8	D.	╲⌒_ below, moving E.; ╲⌒ and F. clds. above; ⌒ in the SE. Hor.: and ╲⌒_i in the rest of the Hor.
·16	·12	6/8	D.	╲⌒_i below, moving E.; F. clds. and ╲⌒ above; ⌒, and ╲⌒_ in the Hor.
·17	·13	7/8	G.	Overcast above with F. clds.; and ╲⌒_i moving from W. to E. below.
·18	·14	6/8	G.	⌒ in the Hor.; Dense ╲⌒i, and F. ⌒ moving from SE. to NW. above; and ╲⌒_i moving from W. to E. below.
.19	·15	8/8	G.	⌒ in the Hor.; overcast with ╲⌒_i in two strata, the lower moving from W. to E.
·20	·16	8/8	G.	⌒ in the Hor.; overcast with ╲⌒_i in two strata, the lower moving from W. to E.
·21	·17	8/8	A.	⌒, and ╲⌒_i in the Hor, ╲⌒i above; and D. F. ⌒i below moving slowly NE.
·22	·18	7/8	A.	Masses of ╲⌒_i below moving SE; overcast above with D. undefined clds.
·23	·19	8/8	A.	⌒ in the Hor.; ╲⌒i and D. F. clds. moving slowly E.
7· 0	·20	8/8	A.	Patches of D. F. clds. below moving E; overcast above with undefined clds.
· 1	·21	8/8	D.	⌒ in the Hor.: overcast throughout with undefined clds.
· 2	·22	8/8	D.	⌒ in the Hor.: ╲⌒ and F. clds. throughout.
· 3	·23	7/8	D.	⌒, and ╲⌒_i in the Hor. ╲⌒; and F. clds. above; ╲⌒_ and F. clds, moving E. below.
· 4	7· 0	8/8	D.	╲⌒_, ⌒_, and ⌒ in the Hor; F. clds. below, moving E.: ╲i scattered above.
· 5	· 1	8/8	G.	╲⌒_, ⌒_, and ⌒ in the Hor; F. ⌒ moving in detached masses from W. to E. below; and faint ╲i, and ╲_i above.
· 6	· 2	6/8	G.	╲⌒_, ⌒_, and ⌒ in the Hor; F. ⌒ moving in detached masses from W. to E. below; ╲i, ╲_i, and ╲⌒i scattered above.
· 7	· 3	5/8	G.	╲⌒_, ⌒_, and ⌒ in the Hor; F. ⌒ moving in detached masses from W. to E. below.
· 8	· 4	7/3	G.	╲⌒_i in the Hor.; detached masses of F. ⌒i and ╲⌒_i moving from SW. to NE, below; and ╲, ╲_ moving from E. to W. above.
· 9	· 5	8/8	A.	Masses of ╲⌒_i below: L. F. clds. above both moving slowly E.
·10	· 6	8/8	A.	Patches of ╲⌒_i below moving SE; overcast above with D. undefined clds.
·11	· 7	7/8	A.	L. F. clds. moving E.; ⌒ and ╲⌒_i in the Hor.: a lunar halo.
·12	· 8	8/8	A.	Masses of ╲⌒_i moving rapidly E. from all directions; ⌒ in the Hor.; ╲i in the Zth.
·13	· 9	8/8	D.	Overcast with ╲⌒_i; ⌒ in the NW. and N. Hor.: a shower of rain at 12h. 32m.
·14	·10	8/8	D.	╲⌒_i below, moving E.; ⌒_ and F. clds. above; ⌒ in the NW., N. and NE. Hor.
·15	·11	8/8	D.	╲⌒_i and ⌒ in the Hor; ╲⌒ and F. clds. throughout.
·16	·12	8/8	D.	╲⌒_i below, moving E; ╲⌒ and F clds., throughout, above.
·17	·13	8/8	G.	╲⌒_i moving from W. to E. below. ╲⌒ and F. clds. scattered above.
·18	·14	8/8	G.	D. overcast with ╲⌒_i and F. clds above; and detached masses of ╲⌒_i moving from W. to E. below.
·19	·15	6/8	G.	D. overcast with ╲⌒ and F. ⌒i above; and detached masses of ╲⌒_ moving from W. to E. below: ⌒, ⌒_ in the Hor.
·20	·16	8/8	G.	╲⌒_i moving uniformly from W. to E. below; and ╲⌒i from SE to N. above.
·21	·17	8/8	A.	⌒, and ╲⌒_i in the Hor.; large masses of ╲⌒_i below; and L. F. clds. moving SE.
·22	·18	8/8	A.	⌒, and ╲⌒_ in the Hor.; masses of ╲⌒_i below, and ╲⌒i in SW. above, both moving SE.: L. F. clds and ╲i moving Wd.

SEPTEMBER, 1846.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
7·23	7·19	8/8	A.	⌒_, and ╲⌒_i in the Hor; large masses of ╲⌒_i moving SE. from all directions: a few drops of rain.
8· 0	·20	8/8	A.	⌒, and D. F. clds. in the Hor.; D F. ⌒i below moving E.; ╲⌒i in the Zth., moving W.: ╲_ and linear ╲i in a line extending from the NW. to E. by S. Hor.
· 1	·21	8/8	D.	⌒, and D, F. clds in the Hor.; masses of D. F. clds. moving from the W. and SW. to E.: L. F. clds., ╲i and ╲_ throughout above.
· 2	·22	8/8	D.	⌒, and ╲⌒_i in the Hor,; F. clds. below, moving E.: ╲, ╲⌒_ and ╲⌒ above, throughout.
· 3	·23	8/8	D.	⌒, and ╲⌒_i in the Hor.; ╲, ╲_, ╲⌒ and F. clds, throughout.
. 4	8· 0	8/8	D.	╲⌒_ below, moving E. ; F. clds. above throughout : ⌒, and ╲⌒_ in the Hor.
· 5	· 1	8/8	G.	⌒_, ╲⌒_, and ⌒ in the Hor.; detached masses of F. ⌒ moving from W. to E. below; and overcast with ╲i above.
· 6	· 2	8/8	G.	╲⌒_i in two strata, the lower moving from W. to E.
· 7	· 3	4/8	G.	╲⌒_i in two strata, the lower moving from W. to E.
· 8	· 4	8/8	G.	╲⌒_i scattered around the Hor.: clear about the Zth.
· 9	· 5	8/8	A.	Masses of D. F. clds. moving SE.
·10	· 6	6/8	A.	L. F. clds. scattered ; ╲⌒i in the Hor.
·11	· 7	7/8	A.	Masses of D. F. clds. moving rapidly SE.; overcast above with undefined clds.
·12	· 8	7/8	A.	Few ╲⌒_i moving E.; ╲⌒_ in the Hor.; ╲⌒i and D. F. ⌒i throughout, above.
·13	· 9	8/8	D.	Few ╲⌒_i moving E. ; ╲⌒_ in the Hor.; ╲⌒i and D. F. ⌒i throughout, above : halo around the ⊙.
·14	·10	8/8	D.	╲⌒_i below, moving E.; overcast above with undefined clds.
·15	·11	8/8	D.	Overcast with undefined clds.
·16	·12	8/8	D.	╲⌒_i below, moving E.; ╲⌒, and F. clds. above throughout.
·17	·13	7/8	G.	╲⌒_i, and ⌒ in the Hor ; F. ⌒ moving from W. to E. below ; and patches of ╲⌒i moving from SE. to NW. above.
·18	·14	8/8	G.	╲⌒_i around the Hor.; densely overcast with ╲⌒, and ╲ above ; and detached masses of ╲⌒_i, and F. ⌒ moving from W. to E. below.
·19	·15	8/8	G.	⌒_, and ⌒ in the Hor.; D. F. clds. moving from W. to E. below ; and overcast with ╲i, and ╲_i above.
·20	·16	8/8	G.	⌒ in the Hor.; patches of ╲⌒i moving from SE. to NE. above ; and detached masses of F. ⌒ moving from W. to E. below.
·21	·17	8/8	A.	⌒ in the Hor.; D. F. clds. below moving E.: ╲⌒i above moving W.
·22	·18	8/8	A.	⌒, and D. F. clds. in the Hor.; masses of D. F. clds. below from the SW. W , and ╲⌒i above, both moving E the former rapidly.
·23	·19	6/8	A.	⌒, and D. F. clds in the Hor.; masses of D. F. clds. below ; L F. ⌒i above moving E : ╲⌒i in the E., NE. and S.
9· 0	·20	8/8	A.	⌒, and D. F. clds. in the Hor ; ╲⌒i scattered, moving W. very slowly.
· 1	·21	8/8	D.	⌒_, and ⌒ in the Hor ; F. clds. below, moving E.; ╲⌒ scattered above.
· 2	·22	8/8	D.	⌒_, and ⌒ in the Hor ; ╲, ╲_, ╲⌒ and F. clds. throughout.
· 3	·23	8/8	D.	╲⌒_, ⌒_, and ⌒ in the Hor ; F. clds. and ╲⌒_, below moving E.; ╲⌒, and F. clds. above : light rain.
· 4	9· 0	8/8	D.	╲⌒_i below moving E ; ╲⌒, and F. clds. above : ⌒, and ╲⌒_ in the Hor.
· 5	· 1	8/8	G.	D. overcast with ╲⌒i; and F. clds. above ; huge masses of ╲⌒_i moving from W. to E. below.
· 6	· 2	7/8	G.	Overcast with ╲⌒_i in two strata, the lower moving E.
· 7	· 3	4/8	G.	Overcast with ╲⌒_i above ; and detached masses of ╲⌒_ moving from W. to E. below.
9· 8	9· 4	8/8	G.	Uniformly overcast with ╲⌒_, in two strata.
· 9	· 5	8/8	A.	Masses of ╲⌒_i below moving E.; overcast above with D. undefined clds.: a shower of rain at 9h 39m.
·10	· 6	8/8	A.	Uniformly overcast with ╲⌒_: raining lightly.
·11	· 7	8/8	A.	Large masses of ╲⌒_ below moving rapidly SE.; overcast above with ╲⌒_i: rain at 11h. 16.
·12	· 8	8/8	A.	Uniformly overcast with ╲⌒_i : raining heavily.
·13	· 9	7/8	D.	╲⌒_i below moving E. ; overcast above : raining very lightly.
·14	·10	6/8	D.	╲⌒_i below moving E.; overcast above : raining very lightly.
·15	·11	8/8	D.	╲⌒_i below moving E ; overcast above : raining very lightly.
·16	·12	7/8	D.	╲⌒_i below moving E.; overcast above.
·17	·13	6/8	G.	Uniformly overcast above with ╲⌒_i; and detached masses of ╲⌒_i moving from W. to E. below : raining
·18	·14	6/8	G.	Uniformly overcast above with ╲⌒_i; and detached masses of ╲⌒_i moving from W. to E. below : raining.
·19	·15	8/8	G.	Uniformly overcast above with ╲⌒_i; and detached masses of ╲⌒_i moving from W. to E. below : raining.
·20	·16	7/8	G.	Uniformly overcast both above and below with ╲⌒_ : raining heavily.
·21	·17	8/8	A.	╲⌒_ in two strata, the lower moving in small masses E.: raining lightly.
·22	·18	6/8	A.	Large masses of ╲⌒_i below, moving E. from the NW. and SW.; overcast above with ╲⌒_i: raining lightly.
·23	·19	8/8	A.	Few ╲⌒_i below, moving E ; overcast above with D. ╲⌒_i : raining very lightly.
10· 0	·20	6/8	A.	Masses of ╲⌒_i below, moving E. from all directions ; overcast above with undefined clds. through which the ⊙ shines, but casts no shadow.
· 1	·21	7/8	D.	Detached masses of ╲⌒_ below, moving E ; overcast above : drizzling rain.
· 2	·22	8/8	D.	Detached masses of ╲⌒_, below, moving E.; overcast above : raining very lightly.
· 3	·23	8/8	D.	╲⌒_i, and F. clds. below moving E.: overcast above : ⌒ in the Hor.: raining in light drops now and then.
· 4	10· 0	8/8	D.	╲⌒_ below, moving E ; overcast above ; ╲⌒_ and ⌒ in the Hor.: light drizzling rain.
· 5	· 1	8/8	G.	Overcast above with D. F clds.; and huge masses of ╲⌒_i moving from W. to E., below : raining.
· 6	· 2	7/8	G.	Uniformly overcast with ╲⌒_ in two strata, the lower moving from W. to E. very rapidly.
· 7	· 3	6/8	G.	Uniformly overcast with ╲⌒_ in two strata, the lower moving from W. to E. very rapidly : raining.
· 8	. 4	7/8	G.	Uniformly overcast with ╲⌒_ in two strata, the lower moving from W. to E. very rapidly : raining.
· 9	· 5	7/8	A.	Masses of ╲⌒_i below, moving E. from all directions ; overcast with undefined clds.; raining lightly.
·10	· 6	7/8	A.	╲⌒_ in in two strata, the lower in masses moving E. from all directions : raining lightly.
·11	· 7	8/8	A.	╲⌒_ in two strata, the lower moving slowly E.
·12	· 8	8/8	A.	╲⌒_ in two strata, the lower in huge masses moving rapidly SE.: raining very lightly.
·13	· 9	8/8	D.	╲⌒_i below, moving E.; overcast above.
·14	·10	8/8	D.	╲⌒_i moving E.: ╲⌒_ and D. F. clds. in the Hor.: a light shower of rain.
·15	·11	8/8	D.	╲⌒_i and D F. clds. in the Hor.: ╲⌒i throughout.
·16	·12	8/8	D.	╲⌒_i below, moving E.; ╲⌒ above : ╲⌒_ in the Hor.
·17	·13	8/8	G.	D. ╲i, and F. clds. scattered above ; ╲⌒_i moving from W. to E. below.
.18	·14	4/8	G.	Detached, huge, masses of ╲⌒_ moving from W. to E. below ; and ╲⌒, F. clds. scattered above : rain at 18h. 16m.

SEPTEMBER, 1846.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
10·19	10·15	7/8	G.	Detached, huge, masses of ╲⌒▁ moving from W to E. below: and ╲⌒, F. clds. scattered above.
·20	·16	5/8	G.	⌒, and ╲⌒▁ along the Hor.; ╲⌒ and F ⌒ moving from S. to N. above; ╲⌒▁i moving from W. to E. below.
·21	·17	7/8	A.	⌒, and ╲⌒▁ around the Hor.; D. F. clds moving slowly to E. by S. the ☉ shines, but casts no shadow: a shower of rain, preceded and accompanied by a brisk gale, commenced 21h. 32m.
·22	·18	6/8	A.	Masses of ╲⌒▁ below, moving SE. from all directions; overcast above with D. undefined clds: drizzling rain.
·23	·19	8/8	A.	F. clds. below moving E.; ╲⌒i scattered above, moving NW.: ⌒ in the Hor.
11· 0	·20	8/8	A.	⌒, and D. F. clds. in the Hor.: scud below moving E.; ╲⌒i in the Zth. stationary: few D. F. ⌒i from the SW. moving Ed.
· 1	·21	7/8	D.	⌒, and ⌒▁ in the Hor.; F. clds. below, moving E.: ╲⌒i above.
· 2	·22	6/8	D.	⌒, and ⌒▁ in the Hor.; F. clds. below, moving E: ╲⌒i above: heavy rain at 2h. 42m.
· 3	·23	7/8	D.	⌒, and ⌒▁ in the Hor.; F clds. below, moving E.: ╲⌒, ╲, ╲▁ and F. clds. above.
· 4	11· 0	8/8	D.	╲⌒▁i, and ⌒▁ in the Hor.; D. F. clds. below, moving E; ╲⌒ above.
· 5	· 1	8/8	G.	D. overcast with ╲⌒i; and F. clds. above; huge masses of ╲⌒▁ moving from W. to E. below.
· 6	· 2	6/8	G.	⌒ along the Hor.; ╲⌒i, and F. ⌒ scattered above; ╲⌒▁ moving from W. to E. below.
· 7	· 3	8/8	G.	╲⌒▁i moving uniformly from W. to E.: a few breaks in the W.
· 8	· 4	8/8	G.	Overcast with ╲⌒▁i: a few breaks in the N. and W. through which the stars are visible.
· 9	· 5	8/8	A.	Detached masses of ╲⌒▁i moving E: stars shining through breaks in the Zth.
·10	· 6	8/8	A.	Huge masses of ╲⌒i moving E below; overcast above, with undefined clds.: raining.
·11	· 7	8/8	A.	╲⌒i below moving E.; overcast above with L F. clds. through which the stars are dimly shining.
·12	· 8	6/8	A.	Few masses of ╲⌒▁i below; ╲⌒i in the Zth.; L. F. clds. moving E.: stars are dimly shining through the L. F. clds.
·13	· 9	5/8	D.	╲⌒▁i below, moving E.; ╲⌒ and F. clds. above.
·14	·10	5/8	D.	L. ╲⌒▁i below, moving E.; ╲⌒ and F. clds. above.
·15	·11	3/8	D.	╲⌒▁i in the Hor.: ╲⌒i and F. clds. throughout.
·16	·12	6/8	D.	╲⌒▁i in the Hor.: ╲⌒ and F. clds. throughout: Zth. partly clear.
·17	·13	8/8	G.	⌒, ⌒▁, and ╲⌒▁ along the Hor.; ╲⌒, F. clds. moving from N. to S.
·18	·14	8/8	G.	⌒, ⌒▁ in the SW. and W. Hor.; overcast with ╲⌒▁ in the N., NE. and S: upper current of ╲⌒i moving from N. to S., and the lower of ╲⌒▁i and F. clds. moving from W. to E.: rain at 18h. 40m.
·19	·15	7/8	G.	⌒ in the SE. and W. Hor; ╲⌒i scattered above; and ╲⌒▁ moving uniformly from W. to E. below.
·20	·16	6/8	G.	⌒, and ⌒▁ in the SE. and W. Hor.; ╲⌒, and D. F. clds. scattered above: detached huge masses of ╲⌒▁i moving from W. to E., below.
·21	·17	8/8	A.	Huge masses of ╲⌒▁i moving E. from all directions; L. F. ⌒i above moving very slowly W.
·22	·18	8/8	A.	╲⌒▁, and ⌒ in the E., S., NE. Hor.; ⌒ in the remaining Hor.; D. F. clds. below; and L. F. clds. above both moving very slowly E.
·23	·19	6/8	A.	⌒, and D. F. clds. in the Hor.; ╲⌒i and F. ⌒i in the Zth. moving very slowly E.: clear around the W. and SW. Hor.
12· 0	·20	8/8	A.	Huge masses of ╲⌒▁i moving SE. from all directions; ╲⌒▁i in the Zth, moving very slowly E.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
12· 1	11·21	8/8	A.	⌒, and D. F. clds. stretching Horizontally from the W.
· 2	·22	8/8	D.	⌒, and ╲⌒▁i in the Hor.: ╲⌒ and F. clds. throughout.
· 3	·23	6/8	D.	⌒, and ╲⌒▁i in the Hor: ╲⌒ and F. clds., above; F. clds. below, moving E.
13· 4	13· 0	7/8	G.	╲⌒i moving from S. to N. above; and F. ⌒ moving from W. to E. below: ⌒ in the Hor.
· 5	· 1	8/8	G.	╲i, and ╲⌒i moving from S. to N. above; and F. ⌒ moving from W. to E. below: ⌒ in the Hor.
· 6	· 2	8/8	G.	╲, ╲⌒, and ╲▁ scattered above; ╲⌒▁i, and F. ⌒ moving from W. to E., below: ⌒▁ in the E. extending towards the Zth.
· 7	· 3	8/8	G.	Overcast above with L. F. clds.; and detached masses of ╲⌒▁ moving from W. to E. below.
· 8	· 4	8/8	G.	Overcast with ╲⌒▁i in the Hor.; and detached masses of ╲⌒▁ moving from W. to E. below.
· 9	· 5	6/8	A.	Masses of ╲⌒▁i below from the SW. and W. moving Ed.; overcast above with L. F. clds. through which the stars are faintly seen: ╲⌒▁ in the Hor.
·10	· 6	8/8	A.	Masses of ╲⌒▁i below, moving E. from all directions; overcast above with L. clds. through which the stars are faintly seen.
·11	· 7	8/8	A.	Masses of ╲⌒▁i below, moving E, from all directions; overcast above with undefined clds.
·12	· 8	8/8	A.	╲⌒▁ in the Hor.: masses of ╲⌒▁ from the W. and SW. moving NE.
·13	· 9	6/8	D.	╲⌒▁i in the E., W., N. and S.: Zth. nearly clear.
·14	·10	8/8	D.	╲⌒▁i moving E: ╲⌒▁, and D. F. clds. in the E., W., N. and S.: Zth. partly clear.
·15	·11	8/8	D.	╲⌒▁i, and D. F. clds. below moving E.; ╲⌒i above: ╲⌒▁, and D. F. clds. in the Hor.
·16	·12	8/8	D.	╲⌒▁i, and F. clds. throughout.
·17	·13	7/8	G.	D. F. clds. scattered above; and ╲⌒▁ moving from W. to E. below.
·18	·14	8/8	G.	⌒, and ⌒▁ in the NW. Hor: D. F. clds. scattered above, and ╲⌒▁ moving from W. to E. below.
·19	·15	8/8	G.	⌒, and ⌒▁ in the NW. and W. Hor.: ╲⌒, and F. ⌒ moving from NE. to S. above; and ╲⌒▁ moving from W. to E. below.
·20	·16	5/8	G.	⌒, and ╲⌒ in the Hor.: ╲⌒, and D. F. ⌒ moving from N. to S. above; and ╲⌒▁ moving from W. to E. below.
·21	·17	8/8	A.	╲⌒▁, and ⌒ in the Hor.; large masses of ╲⌒▁i below: ╲⌒i and D. F. clds. both moving E., the former rapidly the latter very slowly.
·22	·18	8/8	A.	⌒, and D. F. clds. in the Hor; ╲⌒i and D. F. clds. moving in a contrary direction to the wind.
·23	·19	7/8	A.	⌒, and D. F. clds. in the Hor.: D. F. clds. throughout.
14· 0	·20	6/8	A.	⌒, and D. F. clds. in the Hor.: D. F. clds. moving very slowly E.: the ☉ shines, but casts no shadow: light rain at 0h. 42m.
· 1	·21	5/8	D.	⌒, and ⌒▁ in the Hor.: ╲⌒ and F. clds. throughout.
· 2	·22	8/8	D.	⌒, and ╲⌒▁; ⌒▁ in the Hor.; ╲⌒ above; D. F. clds. and ╲⌒▁ below, moving E.
· 3	·23	8/8	D.	⌒, ╲⌒▁, ⌒▁ in the Hor.: ╲⌒, and F. clds. above; L. F. clds. below moving E.
· 4	14· 0	8/8	D.	⌒, ⌒▁, and ╲⌒▁ in the Hor.; ╲⌒ and F. clds. above; F. clds. below moving E.
· 5	· 1	8/8	G.	⌒ in the Hor.; D. ╲⌒, and F. ⌒ moving from SE. to N. above; and ╲⌒▁i, F. clds. moving from W. to E. below.
· 6	· 2	6/8	G.	⌒▁ in the NW. Hor.; ⌒ in the W. Hor.; ╲⌒ moving from S. to NW. above; and L. F. ⌒ moving from W. to E. below.
· 7	· 3	8/8	G.	╲⌒▁i along the Hor.; overcast with L. ╲i above; and a few masses of ╲⌒▁ moving from W. to E. below.

SEPTEMBER, 1846.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
14· 8	14· 4	8/8	G.	∨⌒⎽i along the Hor.; overcast with L. ∨i above; detached masses of F. clds. moving from W. to E. below.
· 9	· 5	8/8	A.	∨⌒⎽i in the Hor.; ∨⌒⎽i moving E.
·10	· 6	8/8	A.	Large masses of ∨⌒⎽ moving E.: raining very lightly.
·11	· 7	7/8	A.	∨⌒⎽i in large masses moving E.: raining very lightly.
·12	· 8	7/8	A.	∨⌒⎽i in large masses moving E.: light rain falling.
·13	· 9	8/8	D.	∨⌒⎽i scattered throughout: raining very lightly.
·14	·10	7/8	D.	∨⌒⎽i scattered in the E., W., N. and S.: Zth. clear.
·15	·11	6/8	D.	∨⌒⎽i moving E.
·16	·12	7/8	D.	∨⌒⎽i below; and ∨⌒, and F. clds. above scattered.
17	·13	7/8	G.	Overcast above with F. clds. through which the stars are visible; and ∨⌒⎽i moving from W. to E. below.
·18	.14	8/8	G.	Overcast with ∨⌒, and F. clds. above; and ∨⌒⎽ moving from W. to E. below.
·19	·15	8/8	G.	∨⌒ in patches, and F. ⌒ moving from SE. to NW. above; ∨⌒⎽ and D. F. ⌒ moving from W. to E. below.
·20	·16	8/8	G.	D. overcast with ∨⌒, and F. clds. above; and huge masses of ∨⌒⎽i moving from W to E. below: raining.
·21	·17	7/8	A.	∨⌒⎽, and D. F. clds. in the Hor; ∨⌒i above, and a few masses of ∨⌒⎽ below both moving E.
·22	·18	8/8	A.	⌒, and D. F. clds. in the Hor.; ∨⌒i and D F. clds. moving very slowly E.
·23	·19	7/8	A.	⌒, and ∨⌒⎽ in the Hor.: large masses of ∨⌒⎽i from the W., SW. below; ∨⌒i and D. F. clds. above they all moving E.: light rain.
15· 0	·20	7/8	A.	⌒, and D. F. clds. extending about 45° above the Hor.: ∨⌒i, and D. F. clds. moving very slowly E.
· 1	·21	8/8	D.	⌒⎽, ⌒, and ∨⌒⎽ in the Hor; ∨i, ╲⎽i, ∨⌒i and F. clds. throughout.
· 2	·22	7/8	D.	⌒⎽, ⌒, and ∨⌒⎽ in the Hor.; ∨⌒ and F. clds. throughout.
· 3	·23	8/8	D.	⌒⎽, ⌒, and ∨⌒⎽ in the Hor.; ∨⌒ and F. clds. above; ∨⌒⎽ below, moving E.: light rain.
· 4	15· 0	7/8	D.	⌒, ⌒⎽, and ∨⌒⎽ in the Hor; ∨⌒, ╲⎽ and F. clds above; ∨⌒⎽ and F. clds., moving E., below: a shower of rain at 4h. 22m.
· 5	· 1	8/8	G.	⌒, and ⌒⎽ in the Hor., ∨⌒ and F. clds. moving from S to N. above; D. ∨⌒⎽ in detached masses moving from W to E below.
· 6	· 2	8/8	G.	∨⌒⎽i in the Hor.; ∨⌒ and F. clds. moving from NE. to SW. above; D. ∨⌒⎽ moving from SW. to NE. below.
· 7	· 3	8/8	G.	Overcast with ∨⌒⎽: partly clear in the W. Hor.: rain at 7h. 49m.
· 8	· 4	8/8	G.	Overcast with ∨⌒⎽: raining lightly.
· 9	· 5	7/8	A.	∨⌒⎽i: raining lightly.
·10	· 6	7/8	A.	∨⌒⎽ in masses moving E.: a break W. of Zth. through which a few stars are brilliantly shining: raining lightly.
·11	· 7	5/8	A.	Uniformly overcast with ∨⌒⎽i: raining heavily.
·12	· 8	4/8	A.	∨⌒ in masses moving E: stars are brilliantly shining through breaks N. of Zth.: raining very lightly.
·13	· 9	8/8	D.	∨⌒⎽i moving E.: rain at 13h 27m.
·14	·10	8/8	D.	∨⌒⎽i · raining lightly.
·15	·11	8/8	D.	∨⌒⎽i below; and ∨⌒ and F. clds. above.
·16	·12	8/8	D.	∨⌒⎽i below; moving E.; F. clds. above.
·17	·13	7/8	G.	∨⌒⎽i in the Hor. extending towards the Zth.; and F. ⌒ moving from W. to E. below: clear above.
·18	·14	8/8	G.	Overcast with D. ∨⌒, and F. ⌒ above; and huge masses of ∨⌒⎽i moving from W. to E. below.
·19	·15	8/8	G.	Overcast with ∨⌒i, and F ⌒ above, and huge masses of ∨⌒⎽i moving from W. to E. below.
15·20	15·16	8/8	G.	Densely overcast with F clds. above; and huge masses of ∨⌒⎽i moving from W. to E. below.
·21	·17	8/8	A.	Densely overcast with F. clds, and ∨⌒ above; and huge masses of ∨⌒⎽i moving from W. to E. below.
·22	·18	7/8	A.	Overcast: a break W. of Zth.
·23	·19	7/8	A.	⌒i, ⌒⎽i, and ∨⌒⎽: a few breaks W. of Zth.
16· 0	·20	6/8	A.	Overcast.
· 1	·21	6/8	D.	∨⌒⎽i below, moving E.; overcast above: a shower of rain.
· 2	·22	5/8	D.	∨⌒⎽i below, moving E.; overcast above: ∨⌒ and ╲⎽ in the W. and S. Hor; raining very lightly.
· 3	·23	5/8	D.	∨⌒⎽i: raining lightly.
· 4	16· 0	5/8	D.	∨⌒⎽i below moving E.; overcast above: raining lightly.
· 5	· 1	7/8	G.	Uniformly overcast with ∨⌒⎽i above: scud moving from W. to E.: raining lightly.
· 6	· 2	7/8	G.	Uniformly overcast with ∨⌒⎽i above: detached masses of ∨⌒⎽i moving from W. to E. below.
· 7	. 3	8/8	G.	Uniformly overcast with ∨⌒⎽i; raining.
· 8	· 4	8/8	G.	Uniformly overcast with ∨⌒⎽i: raining.
· 9	· 5	8/8	K.	Uniformly overcast with ∨⌒⎽i.
·10	· 6	7/8	K.	Clear in the W. rest clouded with ∨⌒⎽i.
·11	· 7	8/8	K.	∨⌒⎽i: raining.
·12	· 8	8/8	K.	∨⌒⎽i: raining at 0h. 5m.
13	· 9	8/8	D.	∨⌒⎽i below moving E: overcast above.
·14	·10	8/8	D.	∨⌒⎽i throughout.
·15	·11	8/8	D.	∨⌒⎽i below moving E.; overcast above.
·16	·12	7/8	D.	∨⌒⎽i moving E.: Zth. partly clear.
·17	·13	8/8	G.	Overcast above; and detached masses of ∨⌒⎽i moving from W. to E. below: stars are faintly visible about the Zth.
·18	·14	8/8	G.	⌒⎽ in the Hor.; overcast with ∨⌒⎽i above; and detached masses of ∨⌒⎽i moving from W. to E. below.
·19	·15	8/8	G.	⌒⎽ in the Hor; overcast with ∨⌒⎽i above; and detached masses of ∨⌒⎽i moving from W. to E. below.
·20	·16	8/8	G.	⌒⎽ in the Hor; overcast with ∨⌒, ╲⎽, and F. clds. above; detached huge masses of ∨⌒⎽i moving from W. to E. below.
·21	·17	8/8	ID.	Overcast with ∨⌒⎽: a slight break in the E., SE. Hor.
·22	·18	8/8	ID.	∨⌒⎽i: drizzling rain.
·23	·19	8/8	ID.	∨⌒⎽i: no rain.
17· 0	·20	8/8	ID.	∨⌒⎽i: raining lightly.
· 1	·21	8/8	G.	Overcast above with ∨⌒⎽i: and detached masses of ∨⌒⎽i moving rapidly from W. to E.: raining.
· 2	·22	8/8	G.	∨⌒⎽i moving uniformly from W to E.: raining.
· 3	·23	8/8	G.	Uniformly overcast with ∨⌒⎽: raining.
· 4	17· 0	8/8	G.	Overcast with ∨⌒⎽i in two strata, the lower moving E: raining
· 5	· 1	8/8	G.	Overcast with ∨⌒⎽i in two strata, the lower moving E.: raining.
· 6	· 2	6/8	G.	⌒ in the W. and NW. Hor; uniformly overcast above; detached masses of ∨⌒⎽i moving from W. to E: a rainbow in the E.: raining lightly.
· 7	· 3	8/8	G.	Overcast with ∨⌒⎽i in two strata, the lower moving from W. to E.
· 8	· 4	8/8	G.	Overcast with ∨⌒⎽i in two strata, the lower moving from W. to E.: raining lightly.
· 9	· 5	8/8	K.	Overcast with ∨⌒⎽i.
·10	· 6	8/8	K.	Overcast with ∨⌒⎽i · raining.
·11	· 7	8/8	K.	Overcast with ∨⌒⎽i.
·12	· 8	8/8	K.	Overcast with ∨⌒⎽i.
·13	· 9	5/8	D.	∨⌒⎽i scattered throughout.
·14	·10	7/8	D.	∨⌒⎽i below moving E; overcast above
·15	·11	8/8	D.	Overcast with ∨⌒⎽i.

SEPTEMBER, 1846.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
17·16	17·12	4/8	D.	╲∩_i scattered throughout.
·17	·13	8/8	G.	Overcast above with ╲∩_i; and detached masses of ╲∩_i, moving from W. to E. below.
·18	·14	8/8	G.	╲∩_i scattered, in two strata, the lower moving E : raining very lightly.
·19	·15	8/8	G.	╲∩_i scattered, in two strata, the lower moving E.: raining very lightly.
·20	·16	8/8	G.	Overcast above with D. ╲i, and ╲∩i ; and huge masses of ╲∩_i moving from W. to E. below.
·21	·17	7/8	ID.	∩, ╲∩_i above ; and light F. ∩╲i passing from SW. to E. below : partly clear in the NW.
·22	·18	7/8	ID.	L. ╲∩ in the Zth. ; and ∩_, F. ∩ scattered throughout.
·23	·19	7/8	ID.	╲∩_i, and F. ∩╲i scattered throughout : breaks N. and SE. Zth.
18· 0	·20	7/8	ID.	╲∩_i, and F. ∩╲i scattered throughout : breaks N. and SE. Zth.
· 1	·21	8/8	ID.	╲∩_i below moving E.; ╲∩, ╲_, and F. clds. above : ╲∩_, and ∩ in the Hor.: light rain.
· 2	·22	8/8	D.	╲∩_i, and F. clds. below moving E.; ╲, ╲_, ╲∩ and F. clds. above : ∩, ╱╲_, and ╲∩_ in the Hor.
· 3	·23	8/8	D.	╲∩_i and F. clds. below moving E.; ╲, ╲_, ╲∩ and F. clds. above : ∩, ╱╲_, and ╲∩_ in the Hor.
· 4	18· 0	8/8	D.	╲∩_i and F. clds. below moving E ; ╲∩, and ╲ above : ╲∩_, ∩, and ∩_ in the Hor.
· 5	· 1	8/8	G.	╲∩_i and F. clds. below moving E.; ╲, ╲_, and ╲∩ above : ╲∩_, ∩, and ∩_ in the Hor.
· 6	· 2	8/8	G.	╲∩_i and F. clds. below moving E.; ╲_, ╲∩, and F. clds. above ; ∩_, and ╲∩_ in the Hor.: rain at 6h. 45m. lasted 8m.
· 7	· 3	6/8	G.	╲∩_i below moving F.: overcast above : a shower of rain.
· 8	· 4	8/8	G.	Overcast with ╲∩_.
· 9	· 5	8/8	A.	╲∩_i, and L. F. clds. through which the stars are faintly seen.
·10	· 6	8/8	A.	╲∩_i, and L. F. clds. through which the stars are faintly seen.
·11	· 7	8/8	A.	╲∩_i, and L F. clds. through which the stars are faintly seen.
·12	· 8	8/8	A.	╲∩_i : no stars are visible.
·13	· 9	8/8	D.	Overcast with ╲∩_i.
·14	·10	8/8	D.	╲∩_i below moving E.; overcast above: raining lightly.
·15	·11	8/8	D.	╲∩_i : raining lightly.
·16	·12	8/8	D.	. Overcast with ╲∩_i.
·17	·13	8/8	G.	Overcast with ╲∩_i.
·18	·14	8/8	G.	╲∩_i in the Hor.: F. clds. below moving E.: ╲∩, and ╲ above.
.19	·15	7/8	G.	╲∩_i, and ∩ in the Hor. F. clds. below moving E : ╲∩, and ╲ above : Zth. partly clear.
·20	·16	7/8	G.	╲∩_, ∩_, and ∩ in the Hor ; ╲∩_i and D. F. clds. moving E.: ╲∩, and F. clds. above scattered.
·21	·17	8/8	A.	╲∩_i : drizzling rain.
·22	·18	7/8	A.	╲∩_i, and F. ∩╲i : breaks W. and SW. of Zth.
·23	·19	6/8	A.	D. F. ∩╲i all round the Hor.; and ╲i scattered throughout the Zth.
19· 0	·20	7/8	A.	D. F. ∩╲i scattered throughout : ╲∩_ in the SW.
· 1	·21	7/8	D.	╲∩_i, and F. ∩╲i scattered throughout.
· 2	·22	6/8	D.	╲∩_, and ∩ in the Hor.; and F. clds. moving towards E.
· 3	·23	7/8	D.	Overcast with ╲_i ; ∩ in the Hor.; and ╲∩_ above moving E.
20· 4	20· 0	8/8	G.	Uniformly overcast with ╲∩_i : raining.
· 5	· 1	8/8	G.	╲∩i scattered above ; and ╲∩_i moving from W. to E. below : a heavy shower of rain.
· 6	· 2	6/8	G.	╲∩_i along the Hor.; ╲∩ moving from NW. to S. above : Zth. perfectly clear.
20· 7	20· 3	7/8	G.	╲∩_i scattered throughout : a few breaks about the Zth., through which the stars are visible.
· 8	· 4	6/8	G.	Detached masses of ╲∩_i moving from W. to E.: a heavy shower of rain at 8h. 15m.
· 9	· 5	7/8	G.	Detached masses of ╲∩_i moving from W. to E : a few breaks about the Zth.
·10	· 6	8/8	ID.	D. ╲∩_i : drizzling rain.
·11	· 7	8/8	ID.	D. ╲∩_i : no rain.
·12	· 8	8/8	ID.	D. ╲∩_i, and ∩_.
·13	· 9	7/8	D.	╲∩_i scattered throughout
·14	·10	8/8	D.	╲∩_i, below, moving E.; overcast above : rain at 14h. 52m.
·15	·11	7/8	D.	╲∩_i in large dense masses moving E.
·16	·12	4/8	D.	╲∩_i scattered in the E , W., N. and S.: Zth. clear.
·17	·13	7/8	G.	Overcast above ; and huge mass of ╲∩_i moving from W. to E., below.
·18	·14	8/8	G.	Densely overcast with ╲∩_i.
.19	·15	8/8	G.	Densely overcast with ╲∩_i in two strata, the lower moving E.: rain at 19h. 16m.
·20	·16	6/8	G.	╲∩_i moving in detached huge masses from W. to E.: drizzling rain.
·21	·17	7/8	ID.	╲∩_i along the W., SE., S. and NE. Hor : L. F. clds. scattered throughout.
·22	.18	8/8	ID.	╲∩_i : raining heavily
·23	·19	8/8	ID.	╲∩_i : raining drizzling.
21· 0	·20	8/8	ID.	╲∩_ : raining lightly.
· 1	·21	8/8	D.	╲∩_i throughout : rain at 1h. 8m.
· 2	·22	8/8	D.	╲∩_i throughout.
· 3	·23	6/8	D.	╲∩_i, and ∩ in the Hor.; ╲∩ and F. clds., above ; F. clds. below moving E.
· 4	21· 0	6/8	D.	∩, ╲∩_, and — in the Hor.; ╲∩ and F. clds. above, scattered : Zth. partly clear ; and F. clds. below, moving SE.
· 5	· 1	8/8	G.	╲∩_i scattered in two strata, the lower moving E.: rain at 5h. 14m.
· 6	· 2	8/8	G.	Uniformly overcast with ╲∩_i : drizzling rain.
· 7	· 3	8/8	G.	Uniformly overcast with ╲∩_i.
· 8	· 4	6/8	G.	╲∩_i scattered in detached masses.
· 9	· 5	2/8	K.	╲∩_, and ╲_ all around the Hor. : Zth. clear.
·10	· 6	1/8	K.	╲∩_, and ╲_ all around the Hor.; Zth. clear.
·11	· 7	6/8	K.	╲∩_i, and light F. clds. scattered all over, dense in the Hor.: stars faintly visible throughout.
·12	· 8	6/8	K.	╲∩_i scattered ; and a light drizzle of rain.
·13	· 9	4/8	D.	╲∩_i scattered in the E., W., N. and S.: Zth. clear : rain at 13h. 42m.
·14	·10	7/8	D.	╲∩_i scattered througbout.
·15	·11	7/8	D.	╲∩_i throughout.
·16	·12	8/8	D.	╲∩_i throughout.
·17	·13	8/8	G.	D. ╲∩_i throughout : a shower of rain at 17h. 25m.
·18	·14	8/8	G.	D. ╲∩_i throughout.
·19	·15	8/8	G.	D. ╲∩_i throughout : a heavy shower of rain at 19h. 42m.
·20	·16	8/8	G.	D. ╲∩_i throughout : raining heavily.
.21	·17	7/8	ID.	D. ∩, and ╲∩_i : breaks W. and E. of Zth.
·22	·18	8/8	ID.	╲∩_i.
·23	·19	7/8	ID.	∩_ along the W. Hor.; ╲∩_, and ∩ throughout.
22· 0	·20	7/8	ID.	╲∩_i, and ∩ scattered ; breaks NW. and NE. of Zth.
· 1	·21	7/8	D.	╲∩_, ∩_, and ∩ in the Hor.: ╲∩, and D. F. clds. throughout.
· 2	·22	7/8	D.	╲∩_, ∩_, and ∩ in the Hor.; ╲, ╲∩, and D. F. clds. throughout.
· 3	·23	7/8	D.	╲∩_, ∩_, and ∩ in the Hor.; ╲∩, and D. F. clds scattered throughout : ╲_ in the SW. and NE.

SEPTEMBER, 1846.

Bombay. Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
22· 4	22· 0	6/8	D.	∨⌒⎯i, and ⌒ in the Hor.; ⟍i, ⟍⎯i, ∨⌒i and D. F. clds. scattered throughout.
· 5	· 1	6/8	G.	⌒ in the Hor; and ∨⌒, F ⌒ scattered.
· 6	· 2	7/8	G.	∨⌒i, and ⟍⎯i scattered above; and F. ⌒ moving from W. to E. below.
. 7	· 3	7/8	G.	Overcast with ∨⌒⎯i: breaks in the W. and NW.
· 8	· 4	4/8	G.	∨⌒⎯i along the Hor
· 9	· 5	5/8	K.	⟍⎯i scattered all over.
·10	· 6	3/8	K.	⟍⎯i in Hor. around; and dark clds. in the E.
·11	· 7	2/8	K.	⟍⎯ in Hor. around.
·12	. 8	4/8	K.	F. clds. around the Hor.: rather dark in the S.
·13	· 9	2/8	D.	∨⌒⎯i scattered in the Hor.
·14	·10	2/8	D.	∨⌒⎯i scattered in the E., W, N. and S.: Zth. clear: light rain at 14h. 54m.
·15	·11	5/8	D.	∨⌒⎯i scattered moving E.
·16	·12	3/8	D.	∨⌒⎯i scattered in the E., W., N. and S.: Zth. clear.
·17	·13	7/8	G.	Detached masses of F. ⌒; and ∨⌒⎯ moving from W. to E., below.
·18	·14	7/8	G.	⟍⎯i, ∨⌒i, and ⟍i scattered above; ⌒ in the Hor.; and F. ⌒ moving E. from W., below.
·19	·15	8/8	G.	⟍⎯i, ∨⌒i, and ⟍i scattered above; ⌒ in the Hor.; and F. ⌒ moving E. from W., below.
·20	·16	6/8	G.	⟍⎯i, ∨⌒i, and ⟍i scattered above; ⌒⎯, and ⌒i in the Hor.: D. F. ⌒ and ∨⌒⎯ moving E. from W below.
·21	·17	6/8	ID.	∨⌒⎯i, and ⌒ all round the Hor: L. F ⌒i and ⟍i scattered throughout the Zth.
·22	·18	6/8	ID.	∨⌒⎯i, and ⌒ all round the Hor.: L. F. ⌒i and ⟍i scattered throughout the Zth.
·23	·19	6/8	ID.	∨⌒⎯i along the SW. Hor.; and ⌒ and F. clds scattered throughout: raining heavily at 23h. 22m.
23· 0	·20	7/8	ID.	∨⌒⎯i, and ⌒⎯ along the Hor: F clds. scattered throughout.
· 1	·21	6/8	D.	∨⌒⎯i below moving E.; ∨⌒ and F. clds. above; ∨⌒⎯, and ⌒ in the Hor.: light rain.
· 2	·22	6/8	D.	∨⌒i, and F. clds. scattered throughout: ∨⌒⎯, ⌒, and ⟍⎯ in the Hor.
· 3	·23	5/8	D.	∨⌒⎯i, and F. clds. scattered in E., W., N and S.: Zth clear; ∨⌒⎯i and ⌒ in the Hor: F. clds. moving E.
· 4	23· 0	6/8	D.	⌒⎯, ⌒, and — in the Hor.; D. F. clds. moving E.; ⟍, ⟍⎯ in the E. and SE.: ∨⌒ in the SW., W., NW., N and NE.
· 5	· 1	8/8	G.	⌒⎯, and ⌒ in the E. Hor.; D. F. clds. moving from W. to E. below; ⟍i ⟍⎯i, and ∨⌒i scattered above.
· 6	· 2	7/8	G.	∨⌒⎯i along the Hor.; and D. ⟍i, ⟍⎯i, ∨⌒i, and F. clds scattered.
· 7	· 3	5/8	G.	D. ⟍⎯ in the E.; and L. ⟍i scattered throughout: stars dimly visible.
· 8	· 4	3/8	G.	⟍⎯ in the Hor.: L. F. clds. moving from W. to E below: L. ⟍i scattered throughout.
· 9	· 5	1/8	K.	⟍⎯, and F clds. in the Hor.: stars are faintly seen
·10	· 6	2/8	K.	A large ∨⌒⎯ in the W., and small fragments of the same scattered throughout
·11	· 7	3/8	K.	The same in the E. extending from the Hor. to the Zth: other ∨⌒⎯i in the Hor.
·12	· 8	1/8	K.	L. F. ∨⌒⎯ in the Hor. around; and all the stars are faintly visible.
.13	· 9	1/8	D.	∨⌒⎯i scattered in the Hor
·14	·10	4/8	D.	∨⌒⎯i scattered throughout
·15	·11	3/8	D.	∨⌒⎯i in the E., W., N. and S.
·16	·12	4/8	D.	∨⌒⎯i in the E., W., N. and S.
·17	·13	7/8	G.	∨⌒⎯, and F. clds. scattered throughout: raining.
·18	·14	6/8	G.	⟍i, ⟍⎯i, and ∨⌒i scattered above; ∨⌒⎯, and F. clds. moving conjointly from W. to E.
23·19	23·15	6/8	G.	D. ⟍i, ⟍⎯i, and ∨⌒i scattered above; ⌒, and ⌒⎯ in the Hor.
·20	·16	5/8	G.	⌒⎯, and ⌒ in the Hor.; D. ⟍i, ⟍⎯i and ∨⌒i scattered above; and a few masses of F. ⌒ moving W. below.
·21	·17	7/8	A.	⌒, and ⟍i: F. clds. scattered throughout.
·22	·18	6/8	A.	⌒, ⌒⎯, and ⟍i: F. clds. throughout.
·23	·19	6/8	A.	⌒, ⌒⎯, and ⟍i: L. F. clds. scattered throughout.
24· 0	·20	7/8	A.	⌒, ⌒⎯, and ⟍i: L. F. clds. scattered throughout.
· 1	·21	8/8	D.	⌒, and — in the Hor; and ⟍i, ⟍⎯, ∨⌒ and F. clds. throughout.
· 2	·22	8/8	D.	⌒, and — in the Hor.; ∨⌒, ⟍, ⟍⎯, and F. clds. above; F. clds. below, moving E.
· 3	·23	8/8	D.	⌒ in the Hor.; ⟍, ⟍⎯, ∨⌒ and F. clds. throughout.
· 4	24· 0	8/8	D.	∨⌒⎯i, and ⌒ in the Hor.; ∨⌒i, ⟍⎯i and F. clds. throughout.
· 5	· 1	8/8	G.	⌒ in the Hor.; overcast above; and a few masses of F. ⌒ moving E., below.
· 6	· 2	8/8	G.	Overcast with ∨⌒⎯i, scattered moving N.: few ⌒ in the Hor.
· 7	· 3	8/8	G.	Overcast with dense ⟍i, above; and detached masses of ∨⌒⎯i, and F. ⌒ moving NE.
· 8	· 4	2/8	G.	F. ∨⌒⎯ in the Hor, dense in the S. and NW.: stars dimly seen.
· 9	· 5	1/8	A.	∨⌒⎯ in the Hor: stars have the same appearance.
·10	· 6	1/8	A.	Black clds. in the Hor: stars quite clear from Zth. to about 6° around.
·11	· 7	4/8	A.	L. ⟍i scattered above; and ∨⌒⎯ in detached masses moving NE. below.
·12	· 8	4/8	A.	∨⌒⎯ along the Hor.; and D. F. ⌒ scattered throughout.
·13	· 9	4/8	D.	∨⌒⎯i scattered in the E., W., N. and S.
·14	·10	4/8	D.	∨⌒⎯i scattered in the E., W, N. and S.: Zth. partly clear.
·15	·11	6/8	D.	∨⌒⎯i scattered throughout.
·16	·12	4/8	D.	∨⌒⎯i scattered throughout.
·17	·13	7/8	G.	⟍⎯i, and ⟍i above; detached masses of ∨⌒⎯ moving from W. to E. below.
·18	·14	8/8	G.	⌒ in the E. and W. Hor.: ⌒⎯ in the N and NW.: ⟍i and ∨⌒i scattered, above; and ∨⌒⎯ moving from W. to E. below
·19	·15	8/8	G.	⌒ in the Hor. all round: ⌒⎯ in the NW.: ⟍i and ∨⌒ scattered, above; and ∨⌒⎯ moving from S. by W. to N. b E below.
·20	·16	8/8	G.	⌒ in the Hor. all round; ⌒⎯ in the NW.; ⟍i and ∨⌒i scattered above: D F clds. moving from S to N. below.
·21	·17	8/8	A.	⌒ in the Hor.: ⟍⎯ and ⟍i moving very slowly SW.
·22	·18	8/8	A.	⌒ around the Hor: a large mass of D. F. clds from the NW. moving NE.: ∨⌒i in the Zth.
·23	·19	8/8	A.	⌒ around the Hor.: a large mass of D. F. clds. from the NW; and D. F. ⌒i scattered moving E; D F. clds. from the S. moving SW.: ∨⌒i in the N; ⟍i and ⟍⎯ above.
25· 0	·20	8/8	A.	⌒ in the Hor; D.F. ⌒i scattered in the W., SW. and N.; ⟍i and ⟍⎯i scattered above.
· 1	·21	8/8	D.	∨⌒⎯i, and ⌒ in the Hor.; F clds. below, moving E; ⟍i and ⟍⎯i scattered, above, throughout.
· 2	·22	8/8	D.	∨⌒⎯i, and ⌒ in the Hor; F. clds., below, moving E; ⟍i and ⟍⎯i scattered, above, throughout.
· 3	·23	8/8	D.	∨⌒⎯i, and ⌒ in the Hor; F clds, below, moving E.; ⟍i and ⟍⎯i scattered, above, throughout.
· 4	25· 0	8/8	D.	∨⌒⎯i, and ⌒ in the Hor.; F clds., below, moving E.; ⟍i and ⟍⎯i, above, throughout.
· 5	· 1	8/8	G.	⟍i scattered above: ⌒ in the Hor; and D F. clds. moving from SW. to NE., below.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
25· 6	25· 2	7/8	G.	∖i scattered above ; ⌒ in the Hor ; and D. F. clds moving from SW. to NE, below.
· 7	· 3	7/8	G.	⌒ in the Hor.; and detached masses of F. clds. moving from SW. to NE.
· 8	· 4	3/8	G.	Detached masses of clds. moving from SW. to NE.; and a few ⌒ in the Hor.
9	· 5	1/8	A.	⋁⎽ scattered in the Hor.
·10	· 6	1/8	A.	⋁⎽ scattered in the Hor ; a small mass of ⋁⎽ in the N. moving E.
·11	· 7	1/8	A.	⋁⎽ scattered in the Hor.
·12	· 8	1/8	A.	⋁⎽ scattered in the Hor.
·13	· 9	2/8	D.	⋁⎽ scattered in the E., W., N. and S.: Zth clear.
·14	·10	6/8	D.	⋁⎽i scattered throughout, moving E.: raining lightly.
·15	·11	6/8	D.	⋁⎽i scattered throughout, moving E.
·16	·12	5/8	D.	⋁⎽i scattered throughout, moving E.
·17	·13	6/8	G.	⋁⎽i scattered throughout, moving E.
·18	·14	6/8	G.	⌒, and ⌒⎽ in the Hor.; ∖⎽ in the SE ; and detached masses of F. ⌒ moving E. from W.
·19	·15	4/8	G.	⌒, and ⌒⎽ in the Hor.; ∖⎽ in the SE.; and detached masses of F. ⌒ moving E. from W.
·20	·16	2/8	G.	⌒ in the Hor.; and detached masses of F clds. moving from S. to NE.
·21	·17	3/8	A.	⌒ in the Hor.; D. F. ⌒i from the W. moving SE.
·22	·18	3/8	A.	⌒ in the Hor.; D. F. ⌒i from the W. moving E.
·23	·19	3/8	A.	⌒ in the Hor.: a mass of D. F. clds. from the N ; and D. F. ⌒ from the W. moving NE.
26· 0	·20	2/8	A.	⌒ in the Hor.
· 1	·21	2/8	D.	⌒ in the Hor ; F. clds. moving E.; ∖i and ∖⎽i in the SE.: F. ⌒ in the W. and NW.
· 2	·22	1/8	D.	⌒ in the Hor.; ∖, and ∖⎽ in the SE. and S.
· 3	·23	1/8	D.	⌒ in the Hor.; ∖, and ∖⎽ in the SE. and S : F. clds. in the SW.
27· 4	27· 0	3/8	G.	⌒ in the Hor ; and detached masses of F. ⌒ moving from SW. to NE.: Zth. clear.
· 5	· 1	2/8	G.	⌒ in the Hor.; F. ⌒ in the NE., E., and SE.: Zth. perfectly clear.
· 6	· 2	3/8	G.	⋁⎽i along the Hor.; ∖, and ∖⎽ in the S ; a few masses of F. ⌒ moving NE. below.
· 7	· 3	6/8	G.	⌒ in the Hor.; ⌒⎽ in the E., and and N.; and F. clds. moving from W. to E.
· 8	· 4	6/8	G.	⌒ in the Hor.; and detached masses of F. ⌒ moving from W, to E.: Zth. partly clear.
· 9	· 5		A.	⌒ in the Hor.
·10	· 6	2/8	A.	⌒ in the Hor.; D. F. ⌒i almost ⋁⎽i moving NE.
·11	· 7		A.	⌒ in the Hor.
·12	· 8		A.	⋁⎽ like clds. scattered along the Hor.
·13	· 9	1/8	D.	⋁⎽ scattered in Hor.
·14	·10	1/8	D.	⋁⎽ scattered in the E., W, N. and S.: Zth. clear.
·15	·11	2/8	D.	⋁⎽ scattered in the E, W., N. and S.: Zth. lear.
·16	·12	6/8	D.	⋁⎽ scattered throughout.
·17	·13	7/8	G.	⌒ in the W. Hor ; and ⋁⎽ scattered throughout.
·18	·14	8/8	G.	⌒, and ⌒⎽ in the W. Hor.; and D. ⋁⎽i scattered throughout.
·19	·15	7/8	G.	⌒, and ⌒⎽ in the Hor.; ∖i, and F. clds. moving conjointly from SE. to W. by N.
·20	·16	7/8	G.	⌒ in the Hor ; ∖i, and ⋁⌒ moving from SE. to W by N.; F ⌒i moving from SW. to NE.; and ⋁⎽ scattered in the NW. and N.
·21	·17	3/8	A.	⌒ in the Hor ; ⌒⎽ in the W.; D. F. clds. scattered in the N., NE. and NW.
·22	·18	4/8	A.	⌒ in the Hor.; a huge mass of D. F. clds. moving slowly along the N. to the NE.
27·23	27·19	1/8	A.	⌒ in the Hor.; F. ⌒i in the NE. moving S. by E.
28· 0	·20	2/8	A.	⌒ in the Hor.; few D. F. ⌒i moving SE.
· 1	·21	2/8	D.	⌒ in the Hor ; F. ⌒ in the W ; and ∖⎽i in the NW.
· 2	·22	1/8	D.	⌒ in the Hor.
· 3	·23	2/8	D.	⌒ in the Hor.; F. clds. moving E.: Zth. clear.
· 4	28· 0	3/8	D.	⌒ in the Hor.: F. clds. moving E.
· 5	· 1	3/8	G.	⌒ in the Hor.: F. clds. moving from W. to S. by E.
· 6	· 2	1/8	G.	⌒ in the Hor.: faint ∖i in the S.
· 7	· 3	1/8	G.	⌒i, and F. ⌒i in the E. and SE. Hor.
· 8	· 4	2/8	G.	⌒ in the E. and S. Hor ; and detached masses of F. ⌒ moving from SW. to NE.: lightning in the E. by S.
· 9	· 5	2/8	A.	⌒, and D. F. clds. in the Hor.: D, F. ⌒i from the W. moving S.
·10	· 6		A.	⌒, and D. F. clds. in the Hor.: ∖⎽ in the S.
·11	· 7	5/8	A.	⋁⎽ like clds. in the Hor.: ∖⎽, and ∖i in the Zth. and in the W.
·12	· 8		A.	⋁⎽ like clds. scattered in the Hor.
·13	· 9	5/8	D.	⋁⎽i scattered throughout.
·14	·10	3/8	D.	⋁⎽i scattered in the E., W., N. and S.: Zth. clear.
·15	·11	1/8	D.	⋁⎽i scattered in Hor.
·16	·12	1/8	D.	⋁⎽i scattered in the E., W., N. and S : Zth. clear.
·17	·13	5/8	G.	⋁⎽i scattered in the E., W., N. and S.: Zth. partly clear.
·18	·14	5/8	G.	∖⎽; and ∖i in the S. and SE.; ⌒ in the W., and SW ; and F. clds. moving from W. to E.: Zth. clear.
·19	·15	5/8	G.	∖i, and ⋁⌒i moving from SE. to NW.; patches of ⋁⌒ in the NE.; F. ⌒ in the N. by W., and in the Hor.: L. ∖i in the Zth.
·20	·16	5/8	G.	∖i, and ⋁⌒i moving from SE. to NW.; and ⌒ in the Hor.
·21	·17	6/8	A.	⌒ in the Hor.; L. F. clds. in the Zth. moving very slowly NW.: ∖i scattered.
·22	·18	5/8	A.	⌒ in the Hor.; D. F. ⌒i moving S. from all directions.
·23	·19	7/8	A.	⌒ in the Hor.; D. F. clds. above ; and ⋁⎽i like clds. below moving S.: clear in the W.
29· 0	·20	5/8	A.	⌒ in the Hor.
· 1	·21	5/8	D.	⌒ in the Hor.; ∖, and ∖⎽ scattered in the E., W., N. and S.: Zth. partly clear.
· 2	·22	6/8	D.	⌒ in the Hor.; ∖, and ∖⎽ scattered throughout.
· 3	·23	4/8	D.	⌒ in the Hor ; ∖⎽; and L. ∖ scattered in the E., W., N. and S.: L. F. clds. moving E.: Zth. clear.
· 4	29· 0	5/8	D.	⌒ in the Hor.; ∖⎽ in the S.: F. clds. moving SE.
· 5	· 1	3/8	G.	⌒ in the Hor.; ∖⎽ in the S.; and detached masses of F. ⌒ moving SE.: Zth. clear.
· 6	· 2	4/8	G.	⌒ in the E. Hor.; ∖⎽ in the S.; and detached masses of F. ⌒ moving from NW. to SE.
· 7	· 3	4/8	G.	⌒ in the E. Hor.; ∖⎽ in the S.; and detached masses of F. ⌒ moving from NW. to SE.: ∖⎽ in the NE.
· 8	· 4	4/8	G.	⌒, and F. clds. along the Hor : ⋁⌒ moving, in scattered masses, from N. to S.
· 9	· 5	6/8	A.	⌒, and D. F. clds. in the Hor.; D. F. ⌒i almost ⋁⎽i moving SW.
·10	· 6	4/8	A.	⌒, and F. clds. in the Hor.; L. F. clds. and ∖⎽ around the Hor.: ∖i in the Zth.
·11	· 7	7/8	A.	⋁⎽ like clds. in the Hor.; D. F. clds. scattered, moving SE.
·12	· 8	6/8	A.	⋁⎽ like clds. in the Hor.: D. F. clds. scattered around the Hor.: ∖⎽i, and ∖i.
·13	· 9	6/8	D.	⋁⎽i scattered throughout.
·14	·10	7/8	D.	⋁⎽i and F. clds. throughout.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
29·15	29·11	5/8	D.	∿_i scattered in the E., W., N., S., and Zth.
·16	·12	6/8	D.	∿_i scattered in the E., W., N., S., and Zth.
·17	·13	6/8	G.	∿_i scattered in the E., W., N., S; Zth. partly clear: rain 17h. 40m.
·18	·14	8/8	G.	⟍i scattered above; and ∿_i moving from NW. to SE. below: drizzling rain.
·19	·15	7/8	G.	⌒, and ⌒_ in the Hor.; ⟍i scattered above; and F. ⌒, and ∿ moving from NW. to SE. below.
·20	·16	7/8	G.	⌒ in the Hor; F. ⌒ in the N. by E.; and ⟍i, and ∿i scattered throughout.
·21	·17	7/8	A.	⌒ in the Hor.; huge masses of ∿_i moving S; L. F. clds in the Zth. moving also S.: clear in the W.
·22	·18	7/8	A.	⌒ in the Hor.; huge masses ∿_i moving S.; comoid in the W., and in the Zth. stationary.
·23	·19	7/8	A.	⌒ in the Hor.; and ∿_i moving SE.: ⟍i scattered, above, throughout.
30·0	·20	8/8	A.	⌒ in the Hor; and D. F. clds. around the Hor.: ⟍i throughout.
·1	·21	7/8	D.	⌒, and — in the Hor.: ⟍i, and F. clds. scattered throughout.
·2	·22	7/8	D.	⌒ from N. to S. (by E.): ⟍i, ⟍_i F. clds. throughout.
·3	·23	7/8	D.	⌒ from N. to S. (by E.): ⟍i, ⟍_i F. clds. throughout.
·4	30·0	6/8	D.	⌒ in the E. and SE. Hor.: ⟍i, and ⟍_i scattered.
·5	·1	8/8	G.	⌒ in the Hor. all round: ⟍i, ⟍_i and ∿ scattered.
·6	·2	7/8	G.	⌒ in the E. Hor.; ∿_ in the W.; and patches of ∿ moving from NE. to SW.
·7	·3	6/8	G.	⌒ in the E. Hor: ∿_ in the W; and patches of ∿ in the E. above; and F. ⌒ moving from SE. to NW. below: Zth. partly clear.
·8	·4	6/8	G.	⌒ in the E. Hor.; ⟍_ in E, N., W. and S; F. clds. along the W. Hor.; and ∿ in patches gently passing the Zth.
·9	·5	2/8	A.	⌒, and L. F. clds. in the Hor.
·10	·6	4/8	A.	⌒ in the Hor.; a mass of D. F. clds. in the E.; and D. F. ⌒i scattered in SW. both moving S.: comoid in the Zth.
·11	·7	8/8	A.	⌒ in the Hor.; masses of D. F. clds below, moving S. from the W., N. and E; ∿i SW. of Zth; and L. F. clds. above throughout.
·12	·8	8/8	A.	⌒, and D F. clds. in the Hor.: few D. F. ⌒i scattered, moving S.; ∿ in the SW.
·13	·9	8/8	D.	⌒, and F. clds. in the Hor: ⟍i, and ⟍_i throughout.
·14	·10	3/8	D.	∿_, and F. clds. scattered in the E., W., N. and S.: Zth. clear.
.15	·11	5/8	D.	∿_i in the E., W., N. and S: Zth. clear.
·16	·12	4/8	D.	∿_i in the E., W., N, and S.; Zth. clear.
·17	·13	8/8	G.	∿_i along the Hor.
·18	·14	7/8	G.	∿_i along the Hor.: ⟍i, ⟍_i, and ∿ scattered throughout.
·19	·15	7/8	G.	⌒ along the Hor: ⟍i, ⟍_i, and ∿ moving from SE. to NW.
·20	·16		G.	⌒ along the Hor: ⟍i, ⟍_, and ∿ moving from SE. to W. by N.
·21	·17	7/8	A.	⌒ and F. clds. the Hor; L. F. clds. moving gently W., N. and NW. partly clear.
·22	·18	7/8	A.	⌒, and F. clds. in the Hor.; masses of D. F. clds. from the N. and W. moving SE: L. F. clds. scattered above, moving W.
·23	·19	6/8	A.	⌒, and F. clds. in the Hor.; masses of D F. clds. from the W. moving S.; L. F. clds. in the Zth. moving very gently Wd: ⟍i above scattered.
Oct. 1st ·0	·20	7/8	A.	⌒, and F clds. in the Hor; L. F. clds. in the Zth. stationary: ⟍i almost haze throughout, above.
Oct. 1st 30·1	30·21	5/8	D.	⌒, and F. clds. in the Hor.: ⟍i in the N., NW., W. and Zth.
·2	·22	3/8	D.	⌒ in the Hor.; ⟍_ in the SE.: F. clds. moving SE.
·3	.23	5/8	D.	⌒ in the Hor.; ⟍_, and F. clds. moving SE.

OCTOBER, 1846.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
1·4	1·0	5/8	D.	⌒ in the Hor.; F. clds. moving SE.
·5	·1	5/8	G.	⌒ in the Hor.; F. clds. moving from SW. to E. by N., below; and L. ⟍i and ⟍_i scattered in the E. and NE. above.
·6	·2	6/8	G.	⌒ in the E Hor; ∿_ in the W. Hor.; ⟍i scattered above; detached masses of F. ⌒ moving from SW. to NE. below.
·7	·3	2/8	G.	⌒ in the E., SE. and NW. Hor.; L. ⟍i in the N.: ⟍_ in the W.; and F. clds. moving from SW. to E. by N.: Zth. clear.
·8	·4	5/8	G.	D. ∿_i in the NE., W., and S.: Zth. clear.
·9	·5	3/8	A.	⌒, and D. F. clds. around the Hor.
·10	·6	4/8	A.	⌒, and D. F. clds. around the Hor.: D. F clds. from the N. moving E.
·11	·7	6/8	A.	⌒, and D. F. clds. around the Hor.; masses of D. F. clds. moving S. from the N. and W.
·12	·8	6/8	A.	⌒, and D. F. clds. around the Hor.; masses of D. F. clds. from the W., SW. moving S.
·13	·9	3/8	D.	⌒ from N. to SE. Hor. (by W.); ∿_ in the remaining Hor: F. clds. moving E.
·14	·10	1/8	D.	⌒ from N. to SE. Hor. (by W.); ∿_ in the remaining Hor.
·15	·11	2/8	D.	∿_i in the E., W., N. and S. scattered.
·16	·12	1/8	D.	∿_i scattered in the Hor.
·17	·13	2/8	G.	∿_i scattered in the Hor.: ⟍i, and ⟍_i in the E. and NE.
·18	·14	6/8	G.	∿_i scattered in the Hor: L. ⟍i, and ⟍_i scattered throughout.
·19	·15	5/8	G.	⌒ in the Hor; ∿ in the N. and NE.; and L. ⟍i scattered throughout.
·20	·16	6/8	G.	⌒ in the Hor.; ∿ in the E. and NE. and L. ⟍i scattered throughout: Zth. perfectly clear.
·21	·17	6/8	A.	⌒ in the Hor.; ⟍i scattered in the Zth.: a line of L. F. clds. extending from the SW. to the SE.
·22	·18	7/8	A.	⌒ in the Hor; masses of D F. clds. from the N. moving SE.: ⟍i scattered above.
·23	·19	7/8	A.	⌒ in the Hor.; huge masses of D. F. clds. from the N and NE. moving S.: ⟍i in the Zth.: clear in the W.
2·0	·20	8/8	A.	⌒, and L. F. clds. in the Hor: masses of D F. clds. in the Zth. and in the NE. moving S.: ⟍i throughout.
·1	·21	7/8	D.	⌒ in the Hor: ⟍, ⟍_, ∿, and F. clds. scattered throughout.
·2	·22	7/8	D.	⌒ in the Hor: ⟍, ⟍_, ∿, and F. clds. scattered throughout.
·3	·23	7/8	D.	⌒ in the Hor.: ⟍, and ⟍_ in the E., W., N. and S. cirrous haze in the Zth.
·4	2.0	4/8	D.	⌒ from N to S (by E) Hor: ⟍i, and ⟍_i in the E., W., N. and S.
·5	·1	2/8	G.	⟍_ in the E., N., W., and S: ⌒ in the E. Hor
·6	·2	2/8	G.	⟍_ in the E., N., W. and S.
·7	·3		G.	⟍_ in the E. and S.
·8	·4		G.	⟍_ in the E. and S.
·9	·5	2/8	A.	⟍_, and ⟍i in the S., SW. and SE.: a lunar halo, its radius about 10° was observed at 9h 25m.
·10	·6	8/8	A.	⟍_, and ⟍i cymoid NE. of the Zth: a shadow of lunar halo.
·11	·7	8/8	A.	⟍_, and ⟍i throughout.
·12	·8	7/8	A.	L. F. clds. in the E and SE: ⟍_ and ⟍i: Zth. clear., the sky almost clouded with ∿i 10m. after this observation.

OCTOBER, 1846.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
2·13	2·9	6/8	D.	⌒, and F. clds. in the Hor.: ⋁⌒ aud F. clds. scattered throughout.
·14	·10	6/8	D.	⌒, and F clds. in the Hor.: ⋁⌒ and F. clds. scattered throughout.
·15	·11	7/8	D.	⌒, and F. clds. in the Hor.: ∖_i, ∖i, ⋁⌒i, aud F. clds. scattered throughout.
·16	·12	5/8	D.	⋁⌒_, and F. clds. in the E., W., N. and S.
·17	·13	2/8	G.	—, and ∖_ in the Hor.: L. ∖i scattered throughout.
·18	·14	8/8	G.	∖, ∖_, ⋁⌒; and — scattered throughout.
·19	·15	8/8	G.	∖, ∖_, ⋁⌒; and — scattered throughout.
·20	·16	7/8	G.	∖, ∖_, ⋁⌒; and — scattered throughout.
·21	·17	8/8	A.	∖, ∖_, ⋁⌒i in the S, SW.: F. clds. in the Hor.
·22	·18	8/8	A.	⋁⌒i, L. F. clds. in the Hor.
·23	.19	6/8	A.	L. F. clds. in the Hor. ⋁⌒i
3·0	·20	6/8	A.	L F. clds.; and ⌒ in the Hor.: ⋁⌒i: Zth. clear.
·1	·21	8/8	D.	L. F. clds; and ⌒ in the Hor.: ⋁⌒_i moving very gently NW.: few ∖i S. of Zth.
·2	·22	6/8	D.	L F. clds.; and ⌒ in the Hor.; ⋁⌒i: Zth. clear.
·3	·23	7/8	D.	⌒ in the F. Hor.; and ∖, ∖_, and ⋁⌒ scattered throughout.
4·4	4·0	8/8	G.	⋁⌒_i scattered.
·5	·1	8/8	G.	⋁⌒_i scattered; ⌒ in the N. by E.: raining.
·6	·2	8/9	G.	⋁⌒_i scattered: raining.
·7	·3	6/8	G.	⋁⌒_i scattered: raining very lightly.
·8	·4	6/8	G.	⋁⌒_i scattered: a halo round the moon at 8h. 19m.
·9	·5	8/8	A.	∖_, ⋁⌒,: a lunar halo.
·10	·6	8/8	A.	∖_i, and ∖i.
·11	·7	8/9	A.	⌒ in the Hor.; L. F. clds. scattered, below moving gently W.; ∖_, and ∖i above.
·12	·8	8/8	A.	⌒ in the Hor; L. F. clds. in the Zth. scattered below moving gently W.; ∖_ and ∖i above: ⋁⌒i forming in the W.
·13	·9	8/8	D.	⋁⌒, and F. clds. throughout.
·14	·10	8/8	D.	⋁⌒, and F. clds. throughout.
·15	·11	8/8	D.	⋁⌒, and F. clds. throughout.
·16	·12	6/8	D.	⋁⌒, and F. clds. throughout.
·17	·13	8/8	G.	⋁⌒, and F. clds. throughout.
·18	·14	8/8	G.	⋁⌒, and F. clds. throughout.
·19	·15	7/8	G.	∖_, and F. clds. scattered.
·20	·16	8/8	G.	∖_, and F. clds.: fleecy ⌒i and ⋁⌒_.
·21	·17	8/8	A.	⌒ in the Hor.; and ∖_i, ∖i.
·22	·18	6/8	A.	⌒, and F. clds. in the Hor.; D. F. clds. in the Zth. moving SE.: L. F. ⌒i and ∖i above
·23	·19	4/8	A.	⌒, and F clds. in the Hor: L. F. clds scattered in the Zth.
5·0	·20	1/8	A.	⌒ in the Hor.: L. F. clds. in the S.
·1	·21	1/8	D.	⌒ from N. to S. (by E.) Hor.: ∖_ and ∖ in the SW. and S.
·2	.22	1/8	D.	⌒ from N. to S. (by E.) Hor.: ∖, ∖_ and F. clds. in the SW., S. and SE.
·3	·23	4/8	D.	⌒, and ⌒_ from N. to S. (by E.) Hor.: ∖, ∖_ and F. clds. in the W, S. and E.; N. clear.
·4	5·0	7/8	D.	⋁⌒_i, and F. clds. in the NE., E., SE. Hor.; ∖i and ∖_i in the N., NW., W. SW. and S.: F. clds. in the E., W., N., S. and W.
·5	·1	7/8	G.	⋁⌒_i scattered all over except the Hor.
·6	·2	7/8	G.	⋁⌒_i scattered all over except the Hor.: lightning in continued flashes, with peals of distant thunder in the NE.
·7	·3	8/8	G.	⋁⌒_i scattered throughout: lightning in continued flashes in the NE: raining.
5·8	5·4	8/8	G.	⋁⌒_i scattered throughout: lightning in continued flashes in the NE.
·9	·5	8/8	A.	D. F. ⌒i throughout, above; masses of ⋁⌒_i like clds moving gently SE.: lightning in continual flashes, and intermissive peals of thunder in the NE.
·10	·6	8/8	A.	Thickly overcast with D. ⋁⌒_i above; ⋁⌒_i in masses moving gently W.: lightning, and thunder in the E. and NE.
·11	·7	8/8	A.	Thickly overcast with ⋁⌒_i like clds.
·12	·8	8/8	A.	⋁⌒_, and D. F. clds.: raining very lightly.
·13	·9	8/8	D.	∖, ⋁⌒ and F. clds. throughout.
·14	·10	8/8	D.	⋁⌒, ∖_, ∖ and F. clds. throughout.
·15	·11	8/8	D.	⋁⌒_i and F. clds. scattered throughout: ∖ in the N. and Zth.
·16	·12	8/8	D.	⋁⌒_i, and F. clds.; ⋁⌒i throughout: ∖ in the N.
·17	·13	8/8	G.	⋁⌒_i, and F. clds. moving from E. to W: lightning in continued flashes, with peals of distant thunder in the W.: raining.
·18	·14	8/8	G.	⋁⌒_i moving from E. to W.: raining.
·19	·15	8/8	G.	⋁⌒_i moving from S. to N.: raining very lightly.
·20	·16	8/8	G.	⋁⌒i, ∖i, and ⋁⌒_i scattered.
·21	·17	8/8	A.	L. F. clds. and ⋁⌒i moving W.: F. clds. around the Hor.
·22	·18	8/8	A.	L. F. clds. and ⋁⌒i, ∖_.
·23	·19	6/8	A.	L. F. clds. ⋁⌒i, ∖_; ⌒ and F. clds. in the Hor.
6·0	·20	8/8	A.	⌒, and F. clds. in the Hor.: overcast with D. undefined clds.
·1	·21	6/8	D.	⌒ from N. to S. (by E); F. clds., ∖i, and ∖_i throughout the rest of the sky.
·2	·22	8/8	D	⌒ from N. to S. (by E.); F. clds., ∖i, and ∖_i throughout the rest of the sky.
·3	·23	8/8	D.	⌒ from N. to S. (by E.); F. clds., ∖i, and ∖_i throughout the rest of the sky.
·4	6·0	8/9	D.	⌒ from N. to S. (by E.) Hor.; ∖. ∖_, and F. clds. throughout the rest of the sky.
·5	·1	8/8	G.	⌒ from N. to S. (by E.) Hor.; ⋁⌒_ scattered throughout.
·6	·2	5/8	G.	⋁⌒_ scattered throughout: lightning flashing at intervals in the E., with peals of distant thunder.
·7	·3	8/8	G.	⋁⌒_ scattered throughout: lightning flashing at intervals in the E.
·8	.4	8/8	G.	⋁⌒_ scattered throughout; clearing in the E. Hor: lightning flashing at intervals in the SE.
·9	·5	8/8	A.	⋁⌒_ like clds. throughout.
·10	·6	8/9	A.	⋁⌒_ like clds. throughout
·11	·7	8/3	A.	Uniformly overcast with D. F. clds.: a faint lunar halo.
·12	·8	5/8	A.	D F. clds. in the Hor.; ⋁⌒i overhead moving Sd.; ∖_ and light F. clds. throughout above: a lunar halo forming.
·13	·9	5/8	D.	F. clds. in the Hor.: ⋁⌒, ∖_, and F. clds. scattered throughout.
·14	·10	8/9	D.	⋁⌒, ∖, and F. clds. throughout.
·15	·11	6/8	D.	Overcast with D. F. clds.: light rain.
·16	·12	8/9	D.	Overcast with D. F. clds., and ⋁⌒_i.
·17	·13	8/8	G.	Overcast with D. F. clds., and ⋁⌒_i.
·18	·14	8/8	G.	Overcast with ∖i, ⋁⌒i, and ⋁⌒_i.
·19	·15	8/8	G.	Overcast with ∖i, ⋁⌒i, and ⋁⌒_i.
·20	·16	8/8	G.	Overcast with ∖i, ⋁⌒i, and ⋁⌒_i.
·21	·17	8/8	A.	⋁⌒i in the Zth, below, ∖i and L. F.: clds. above all moving gently W. ⌒ and F. clds. in the Hor.
·22	·81	6/8	A.	L. F. clds. moving NW.: ⌒ and D. F. clds. in the Hor.
·23	·91	8/8	A.	L. F. clds. moving SW.; ⌒, and D. F. clds. in the Hor.
7·0	·20	8/8	A.	⌒, and D. F. in the Hor.: ⋁⌒i moving NW.: thunder at intervals.
·1	·21	8/8	D.	⌒. ⌒_, and — in the Hor.: ⋁⌒i, ∖i, and ∖_i scattered throughout.

OCTOBER, 1846.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
7· 2	6·22	7/8	D.	\⌒▁, ⌒ and F. clds. from N. to S. (by E.): — in the NW., W., and SW. and S. Hor.: \i, \▁, and \⌒ scattered throughout: thunder at intervals.
· 3	·23	7/8	D.	\⌒▁, ⌒▁. ⌒, and F. clds. from N. to S. (by E.): — in the NW., W. and SW. Hor.: \i, \⌒i and F. clds. scattered throughout.
· 4	7· 0	7/8	D.	\⌒▁, ⌒ and F. clds. from N. to S, (by E.) Hor.: F. clds. in the NW., W., SW. Hor.: \i, \⌒ and F. clds. scattered throughout: rainbow in the NE. partly visible.
· 5	· 1	8/8	G.	D. \⌒▁, \⌒; and F. clds. scattered throughout: a parc of the rainbow visible in NE.; another exactly in the N. at 6h 2m.
· 6	· 2	8/8	G.	Densely overcast with \⌒▁i: raining.
· 7	· 3	8/8	G.	Densely overcast with \⌒▁i: clearing in the W. Hor.: lightning flashing at intervals in the E.
· 8	· 4	8/8	G.	Densely overcast with \⌒▁i: clearing in the NE.: raining very lightly.
· 9	· 5	8/8	A.	\⌒▁i: raining lightly.
·10	· 6	8/8	A.	Uniformly overcast with \⌒▁i like clds.
·11	· 7	8/8	A.	D. F. clds. scattered; \i and \▁ in the Hor.
·12	· 8	8/8	A.	\⌒i overhead; \▁ and F. clds. in the Hor.
·13	· 9	8/8	D.	\⌒, and F. clds. throughout: halo around the moon.
·14	·10	7/8	D.	\⌒, \; and F. clds. scattered throughout.
·15	·11	7/8	D.	\⌒, \; and F. clds scattered throughout.
·16	·12	8/8	D.	Overcast with \⌒i, and F. clds.
·17	·13	8/8	G.	Overcast with \⌒▁, and \⌒i: a shower of rain commencing: a rainbow in the W. by N. at 17h. 40m.
·18	·14	8/8	G.	Overcast with \⌒▁, and \⌒i.
·19	·15	6/8	G.	Overcast with \⌒▁, and \⌒i.
·20	·16	7/8	G.	\, \⌒; and F. clds. moving from E. to W.
·21	·17	8/8	A.	\⌒i moving gently NWd.: ⌒ and D. F. clds in the Hor.
·22	·18	7/8	A.	⌒, and D. F. clds in the Hor.: \⌒i in the Zth.
·23	·19	6/8	A.	⌒, and D. F. clds. in the Hor.: \⌒i in the Zth.
8· 0	·20	6/8	A.	⌒, and D. F. clds. scattered.
· 1	·21	6/8	D.	⌒, and F. clds. in the Hor; \⌒ scattered throughout: \▁ in the NW.
· 2	.22	4/8	D.	⌒, and F clds. in the Hor.; \⌒ scattered in the E., W., N. and S.: Zth. clear.
· 3	·23	3/8	D.	⌒ along the NE., E., SE. and S. Hor.; \▁, \⌒ in the NW.: F. clds. along the NW., W. and SW. Hor.: a large mass of F. clds., extending from E. to S., and rising up to Zth.: thunder at 3h. 37m.
· 4	8· 0	7/8	D.	Overcast with \⌒▁i; \⌒ and \ in the NW., W. and SW.: ⌒ in the Hor.: thundering.
· 5	· 1	8/8	G.	Overcast with \⌒▁i: a rainbow in the E. at 6h. 32m: rain at 6h. 47m.
· 6	· 2	8/8	G.	Overcast with \⌒▁i: partly clear in the W. Hor., raining lightly in the NE.: a loud peal of thunder in the N. by E.
· 7	· 3	8/8	G.	Uniformly overcast with \⌒▁. raining: lightning flashing at intervals in N. (by E.): a heavy shower of rain at 7h. 12m; and a squall of wind at 7h 35m.: thunder in the NE. at 7h 43m.
· 8	· 4	8/8	G.	Uniformly overcast with \⌒▁i: thunder and lightning at intervals: raining heavily.
· 8	· 5	8/8	A.	Uniformly overcast with \⌒▁i: raining.
·10	· 6	8/8	A.	Uniformly overcast with \⌒▁i: raining
·11	· 7	8/8	A.	Uniformly overcast with \⌒▁i: lightning in the S. Hor.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
8·12	8· 8	8/8	A.	Uniformly overcast with \⌒▁i: raining lightly.
·13	· 9	8/8	D.	Uniformly overcast with \⌒▁i: raining lightly.
·14	·10	8/8	D.	Uniformly overcast with \⌒▁i: raining very lightly.
·15	·11	8/8	D.	Uniformly overcast with \⌒▁i: raining very lightly.
·16	·12	8/8	D.	Uniformly overcast with \⌒▁i: raining very lightly.
·17	·13	8/8	G.	Uniformly overcast with \⌒▁i: raining very lightly.
·18	·14	8/8	G.	Uniformly overcast with \⌒▁i: raining very lightly.
.19	·15	8/8	G.	Overcast above; and detached masses of \⌒▁i moving from E. to W., below.
·20	·16	8/8	G.	\⌒, and F. clds. scattered, above; and detached masses of \⌒▁i moving from E. to W. below.
·21	·17	8/8	A.	\⌒i, and D. F. clds. moving gently NWd.: \⌒▁ like clds in the Hor.
·22	·18	8/8	A.	L. F. ⌒i almost \⌒i moving gently NWd.: \⌒▁ like clds. in the Hor.
·23	·19	8/8	A.	\⌒▁ like clds. throughout.
9· 0	·20	8/8	A.	\⌒▁ like clds. throughout.
· 1	·21	8/8	D.	\⌒▁, throughout: \▁, and ⌒ in the Hor.
· 2	·22	7/8	D.	\⌒▁, and F. clds. throughout: \▁ and ⌒ in the Hor.
· 3	·23	7/8	D.	\⌒▁, and F. clds, and ⌒ in the Hor.: ⌒▁ and F. clds. throughout: \, and \▁ in the NW., SE. and S.
· 4	9· 0	6/8	D.	⌒, and F. clds. in the Hor.: \, \▁, \⌒ and F. clds. scattered throughout.
· 5	· 1	8/8	G.	⌒ in the E. Hor.: \, \▁, \⌒ and F. clds. scattered throughout.
· 6	· 2	7/8	G.	\⌒▁i moving from E. to W: partly clear in W. Hor: thunder and lightning at intervals in the E.
· 7	· 3	8/8	G.	Uniformly overcast with \⌒▁i: lightning in the E.: rain at 7h. 21m.
· 8	· 4	8/8	G.	Uniformly overcast with \⌒▁i.
· 9	· 5	8/8	A.	Uniformly overcast with \⌒▁i: raining lightly.
·10	· 6	8/8	A.	Uniformly overcast with \⌒▁i: raining lightly.
·11	· 7	8/8	A.	Uniformly overcast with \⌒▁i: raining lightly
·12	· 8	8/8	A.	Uniformly overcast with \⌒▁i: raining very lightly.
·13	· 9	8/8	D.	Uniformly overcast with \⌒▁i drizzling rain.
·14	·10	8/8	D.	Uniformly overcast with \⌒▁i.
·15	·11	8/8	D.	Uniformly overcast with \⌒▁i.
·16	·12	8/8	D.	Uniformly overcast with \⌒▁i.
·17	·13	8/8	G.	Uniformly overcast with \⌒▁i.
·18	·14	8/8	G.	Uniformly overcast with \⌒▁i.
·19	·15	8/8	G.	Uniformly overcast with \⌒▁i
·20	·16	8/8	G.	Uniformly overcast with \⌒▁i
·21	·17	8/8	A.	Uniformly overcast with \⌒▁i.
·22	·18	8/8	A.	Uniformly overcast with dense undefined clds.
·23	·19	8/8	A.	D. F. clds. below, moving rapidly S. from all directions; overcast above with D. F. clds.
10· 0	20	8/8	A.	D. clds. in the W., N. and SW. Hor.; ⌒ in the remaining Hor.: masses of \⌒▁ like clds in the Zth: \⌒i in the E. and N.
· 1	·21	7/8	D.	\⌒i scattered throughout: ⌒ and F. clds. in the Zth.
· 2	·22	7/8	D.	\⌒i scattered throughout: ⌒ and F. clds in the Hor.: \, and \▁ in the N., NE. and E.
· 3	·23	6/8	D.	\⌒i, \i, and \▁i scattered throughout: ⌒, and F. clds. in the Hor.
. 4	10· 0		G.	⌒ in the E. Hor.: \ in the SE.
· 5	· 1		G.	⌒ in the E. Hor.: \ in the SE. and E.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer	State of the Weather.
D. H.	D. H.			
11· 6	11· 2		G.	⌒ in the E Hor.: ╲ in the SE. and E.
· 7	· 3		G.	⌒ in the E. Hor.: ╲ in the SE.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	⌒ in the SE. Hor.
·15	·11		D.	╲ in the E.
·16	·12		D.	╲ in the E.
·17	·13	²/₈	G.	╲, and ╲_ in the Hor.
·18	·14	³/₈	G.	╲, and ╲_ in the E.; and F. ⌒i moving from E. to SW.: dew deposited copiously.
·19	·15	⁶/₈	G.	⌒ in the E. Hor.; and detached masses of F. ⌒i moving from E. to W.
·20	·16	⁴/₈	G.	⌒ from the SE. to N. by E Hor; F. ⌒ moving from E. to W.: and thick foggy mist in W. Hor.
·21	·17	²/₈	A.	Black haze in the W., NW., SW. Hor.; ⌒ in the remaining Hor.: D. F. clds. scattered in the E. and W. moving rapidly SW.
·22	·18		A.	⌒, and D. F. clds. in the E., S., and NE. Hor.
·23	·19		A.	⌒, and F. clds. in the E., S. and NE. Hor.
12· 0	·20	¹/₈	A.	⌒, and F. clds. in the E., S. and NE. Hor.
· 1	·21	¹/₈	D.	⌒, ╲i and ╲_i scattered in the NE., E., SE. and S. Hor.
· 2	·22	¹/₈	D.	⌒, ╲i, and ╲_i scattered in the NE., E., SE. and S. Hor.
· 3	·23	¹/₈	D.	⌒ in the SE. Hor.; and ╲ in the NE., E., SE., S. and SW. Hor.
· 4	12· 0	⁵/₈	D.	╲i, and ╲_i scattered throughout.
· 5	· 1	⁷/₈	G.	╲i, and ╲_i scattered throughout.
· 6	· 2	⁷/₈	G.	╲i, and ╲_i scattered throughout.
· 7	· 3		G.	╲i, and ╲_i in the E. Hor.
· 8	· 4	¹/₈	G.	╲i, and ╲_i in the Hor. all round.
· 9	· 5		A	Overcast in the S. and NE. Hor.
·10	· 6	¹/₈	A.	Overcast in the SE. and NE. Hor.
·11	· 7	¹/₈	A.	Overcast in the SE. and NE. Hor: dew depositing.
·12	· 8	¹/₈	A.	Overcast in the Hor.
·13	· 9	³/₈	D.	╲i, and ╲_i in the Hor.
·14	·10	⁶/₈	D.	╲i, and ╲_i scattered throughout.
·15	·11	⁶/₈	D.	╲i, and ╲_i scattered throughout.
·16	·12	⁶/₈	D.	╲i, and ╲_i scattered throughout
·17	·13	⁵/₈	G.	╲i, and ╲_i scattered throughout: dew depositing copiously.
·18	·14	⁷/₈	G.	╲i, and ╲_i scattered throughout: dew depositing copiously.
·19	·15	⁶/₈	G.	╲i, and ╲_i scattered throughout: thick mist on the E. hills: and black haze in the W. Hor.
·20	·16	⁶/₈	G.	╲i, and ╲_i scattered throughout: thick mist in the E. hills; and black haze in the W. Hor.
·21	·17	⁸/₈	A.	L. F. clds. in the Hor., except the W. which is occupied by black haze: ╲_, and ╲i throughout.
·22	·18	⁸/₈	A.	Black haze in the W., NW. Hor.: L. F. clds. in the remaining Hor.: ╲_, and ╲i.
·23	·19	⁸/₈	A.	Black haze in the W., NW. Hor.: L. F. clds. in the remaining Hor.: ╲_, and ╲i.
13· 0	·20	⁸/₈	A.	╲_i, L. F. clds.
· 1	·21	⁶/₈	D.	╲i, ╲_i; and L. F. clds. scattered throughout.
· 2	·22	⁸/₈	D.	╲, and ╲_ scattered throughout: F. clds. from N. to S. (by E.) Hor.
· 3	·23	⁸/₈	D.	╲, and ╲_ scattered throughout.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather
D. H.	D. H.			
13· 4	13· 0	⁸/₈	D.	╲i, and ╲_i throughout.
· 5	· 1	³/₈	G.	╲i, and ╲_i throughout.
· 6	· 2	⁸/₈	G.	╲i, and ╲_i throughout.
· 7	· 3	⁷/₈	G.	╲i, and ╲_i in the E., N., W., and S.
· 8	. 4	⁶/₈	G.	╲i, and ╲_i in the E., N., W., and S.
· 9	· 5	³/₈	A.	Overcast in the Hor.
·10	· 6	²/₈	A.	Overcast in the Hor.
·11	· 7	³/₈	A.	Overcast in the Hor.
·12	· 8	⁴/₈	A.	∨⌒_i scattered in the Hor., and the four directions.
·13	· 9	⁷/₈	D·	╲i, and ╲_i scattered throughout.
·14	·10	⁷/₈	D.	╲i, and ╲_i scattered throughout.
·15	·11	⁷/₈	D.	╲i, and ╲_i scattered throughout.
·16	·12	⁶/₈	D.	╲i, and ╲_i scattered throughout
·17	·13	⁶/₈	G.	╲i, and ╲_i scattered throughout.
.18	·14	⁸/₈	G.	╲i, ╲_i, and ∨⌒i scattered throughout: thick mist on the SE. hills.
·19	·15	⁸/₈	G.	╲i, ╲_i, and ∨⌒i scattered throughout: thick mist on the E. and SE. hills.
·20	·16	⁸/₈	G.	╲i, ╲_i, and ∨⌒i scattered throughout: thick mist on the E. and SE. hills: thick fog from SW. to N. by W. Hor.
·21	·17	⁸/₈	A.	╲i, ╲_i; and L. F. clds.
·22	·18	⁸/₈	A.	╲i, ╲_i; and L. F. clds.
·23	·19	⁸/₈	A.	╲i, ╲_i; and L. F. clds.
14· 0	·20	⁸/₈	A.	╲i, ╲_i; and L. F. clds.
· 1	·21	⁸/₈	D.	╲i, and ╲_i scattered throughout: ⌒ in the SE. Hor.
· 2	·22	⁸/₈	D.	╲i, and ╲_i scattered throughout: thick fog in the Hor.
· 3	·23	⁸/₈	D.	╲i, and ╲_i scattered throughout: thick fog in the Hor.
· 4	14· 0	⁸/₈	D.	╲i, and ╲_i scattered throughout: thick fog in the Hor.
· 5	· 1	⁸/₈	G.	∨⌒, and ╲_ scattered throughout.
· 6	· 2	⁸/₈	G.	∨⌒, and ╲_ scattered throughout.
· 7	· 3	⁸/₈	G.	╲i, and ╲_i scattered in the N., E., W. and S.; and cirrous mist throughout.
· 8	· 4	⁸/₈	G.	╲i, and ╲_i scattered in the N., E., W. and S.; and cirrous mist throughout.
· 9	· 5	⁵/₈	A.	Overcast in the Hor., and the four directions.
·10	· 6	⁵/₈	A.	Overcast in the Hor., and the four directions.
·11	· 7	⁶/₈	A.	Overcast: Zth. clear.
·12	· 8	⁴/₈	A.	Black clds. in the Hor. extending to the Zth. from the N. Hor. only.
·13	· 9	¹/₈	D.	∨⌒_i in the NW., S. and SE.
·14	·10	⁶/₈	D.	╲i, and ╲_i scattered throughout.
·15	·11	⁷/₈	D.	╲i, and ╲_i scattered throughout.
·16	·12	⁷/₈	D.	╲i, and ╲_i scattered throughout.
·17	·13	⁷/₈	G.	—, ╲i, and ╲_i scattered throughout.
·18	·14	⁸/₈	G.	∨⌒_ in the S.; and ╲i, ╲_i, and ∨⌒i scattered throughout.
·19	·15	⁸/₈	G.	⌒ in the SE. and NW.; ╲, ╲_, ∨⌒ scattered throughout; and mist on the SE. hills.
·20	·16	⁸/₈	G.	⌒ in the SE. and NW; ╲, ╲_, ∨⌒ scattered: light fog in the W. Hor.: and thin mist on the E. hills.
·21	·17	⁸/₈	A.	L F. clds. in the Hor., and the four directions; ╲_ and ╲i,: D. black haze in the W. Hor.
·22	·18	⁸/₈	A.	Black mist in the W., NW. and SW. Hor.; L. F. clds. in the remaining Hor.: ╲_i and ╲i,
·23	·19	⁸/₈	A.	Black mist in the W., NW. and SW. Hor.; ⌒, and L.F. clds. in the remaining Hor.: ╲_i, and ╲i.
15· 0	·20	⁸/₈	A.	L. F. clds. in the Hor.; ⌒ in the E., SE. and NE. Hor.: linear ╲i.
· 1	·21	⁸/₈	D.	╲i, and ╲_i scattered throughout: ⌒ in the NE., E. and SE. Hor.
· 2	·22	⁸/₈	D.	╲i, and ╲_i scattered throughout: ⌒ in the NE., E. and SE. Hor.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
15· 3	14·23	7/8	D.	\i, and _i scattered throughout: ⌒ in the NE., E. and SE. Hor.: cirrous haze in the Zth.
· 4	15· 0	8/8	D.	\i, and _i scattered throughout: ⌒ in the NE., E. and SE. Hor.
· 5	· 1	8/8	G.	\i, and _i scattered throughout: ⌒ in the NE., E. Hor.
· 6	· 2	8/8	G.	\i, and _i scattered throughout.
· 7	· 3	4/8	G.	\i, and _i scattered in the E., N., S. and W.
· 8	· 4	3/8	G.	\i, and _i scattered in the E., N., S. and W.
· 9	· 5	2/8	A.	Overcast in the Hor.: lightning in the S. Hor.
·10	· 6	2/8	A.	⌒ scattered in the Hor.: lightning to the S. Hor.
·11	· 7	2/8	A.	\⌒_ like clds. in the Hor.: lightning in the S. Hor.
·12	· 8	5/8	A.	\⌒_i: Zth. clear.
·13	· 9	4/8	D.	\⌒_ in the E., W., N. and S.: Zth. clear.
·14	·10	5/8	D.	\⌒_ in the E., W., N. and S: Zth. clear.
·15	·11	8/8	D.	Overcast.
·16	·12	7/8	D.	\⌒_i, and F. clds
·17	·13	8/8	G.	\⌒_i, and F. clds., scattered.
·18	·14	8/8	G.	\⌒_i, and F. clds, scattered.
·19	·15	8/8	G.	\⌒_i, and F. clds., scattered.
·20	·16	8/8	G.	\⌒_i, and F. clds., scattered, thick mist on the SE. hill.
·21	·17	8/8	A.	\⌒_i; and D. F. clds. moving Wd.
·22	·18	8/8	A.	\⌒_i; and D. F. clds. moving Wd.
·23	·19	8/8	A.	\⌒_i like clds; and D. F. clds. moving very gently W.
16· 0	·20	8/8	A.	L. F. clds. in the W., SW. and NW. Hor.: ⌒ in the remaining Hor.: \⌒i moving very gently W.
· 1	·21	7/8	D.	\⌒i throughout scattered; ⌒ in the NE., E. and SE. Hor.
· 2	·22	7/8	D.	\⌒i throughout scattered above; and \⌒_, below in detached masses; _ in NW. and ⌒ in the NE., E. and SE. Hor.
· 3	·23	7/8	D.	\⌒i, above, throughout; \⌒_, below, moving S. very slowly: ⌒ in the NE., E. and SE. Hor.: \i, in SE.
· 4	16· 0	7/8	D.	\⌒ throughout; \⌒_ from N. to SW. (by E.), and in the W.; \, and _ in the NW., W., SE. and E.: ⌒ in NE., E. and SE. Hor. under \⌒_i.
· 5	· 1	8/8	G.	\⌒_i, and \⌒i scattered throughout
· 6	· 2	7/8	G.	⌒ in the E. Hor.; F. clds. and \⌒i scattered: lightning flashing at intervals in the SE.
· 7	· 3	7/8	G.	\⌒_i; and F. ⌒ scattered: partly clear in the W. (by N.)
· 8	· 4	7/8	G.	\⌒_i, and F. ⌒ scattered: partly clear about the Zth.
· 9	· 5	4/8	A.	\⌒_ like clds. in the Hor., and the four directions.
·10	· 6	2/8	A.	\⌒_ like clds. scattered in the Hor
·11	· 7	1/8	A.	\⌒_ like clds. scattered in the Hor.
·12	· 8	1/8	A.	\⌒_ like clds. scattered in the Hor.
·13	· 9	3/8	D.	\⌒_ in the Hor.
·14	·10	6/8	D.	\⌒_i scattered throughout.
·15	·11	7/8	D.	\⌒_i scattered throughout
·16	·12	4/8	D.	\⌒_i in the Hor.
·17	·13	6/8	G.	\⌒_i, and _i scattered.
·18	.14	7/8	G.	\⌒_i, and F. ⌒ scattered throughout
·19	·15	8/8	G.	\⌒_i, and F. ⌒ scattered throughout.
·20	·16	8/8	G.	\⌒_i, and F. ⌒ scattered throughout
·21	·17	8/8	A.	\⌒_i; and D. F. clds. moving gently towards the N.
·22	·18	8/8	A.	Black haze in the W. Hor; ⌒ in the remaining Hor. D. F. clds. and \⌒i both moving gently NW.
·23	·19	8/8	A.	F. clds. scattered throughout: L. F. clds. and \i moving gently NW.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
17· 0	16·20	6/8	A.	⌒, and F. clds scattered throughout; L. F. clds. scattered in the Zth.
· 1	·21	5/8	D.	⌒ from NW. to S. (by E.); _ in the remaining Hor.: \, \⌒ and _ in the E., W., N. and S: Zth. clear.
· 2	·22	5/8	D.	⌒ from NW to S. (by E); _ in the remaining Hor.: \, \⌒ and _ in the E., W., N. and S.: Zth. clear.
· 3	·23	8/8	D.	\⌒, \, and F. clds. throughout; ⌒ from the NW. to S. (by E.) Hor.: _ in the remaining Hor.
18· 4	18· 0	7/8	G.	⌒ in the Hor.; \, _ and scattered throughout.
· 5	· 1	7/8	G.	⌒ in the E. Hor; \⌒_, \, _ scattered throughout; partly clear in the NW.
· 6	· 2	8/8	G.	\⌒_i, and D F. clds. scattered throughout.
· 7	· 3	8/8	G.	\⌒_i, and D. F. clds. scattered throughout: stars faintly visible in the E.
· 8	· 4	7/8	G.	\⌒_, and D. F. clds. scattered throughout: stars faintly visible in the E.
· 9	· 5	8/8	A.	Overcast in the Hor.
·10	· 6	8/8	A.	\⌒_ like clds. in the W., N. and SW. Hor.
·11	· 7	6/8	A.	\⌒_i moving SE.: Zth. clear.
·12	· 8	1/8	A.	\⌒_ scattered in the Hor.
·13	· 9		D.	\⌒_ in the SE. and S. Hor
·14	·10		D.	\⌒_i in the SE. and S. Hor.
·15	·11	2/8	D.	\⌒_ scattered in the Hor.
·16	·12	2/8	D.	\⌒_ scattered in the Hor., and in the NW.
·17	·13	1/8	G.	L. \, and _ in the E.; and light fog in the W. Hor.
·18	·14	7/8	G.	⌒ in the SE. Hor.; \i, _, and \⌒i scattered throughout: thick fog in the W. Hor.
·19	·15	7/8	G.	⌒ in the E. Hor; F. clds. in the E.; F. \i scattered throughout: thick fog from NW. to S. by W.
·20	·16	8/8	G.	⌒ in the Hor. all round; \i scattered above; and detached masses of F. ⌒ moving from NW to SE. below.
·21	·17	6/8	A.	⌒ in Hor.; D. F. ⌒i moving S. from all directions.
·22	·18	8/8	A.	⌒ in the Hor.; D. F. clds. moving S. from all directions.
·23	·19	6/8	A	⌒, and F. clds in the Hor.: L F. clds. in the W., NW. and SW.: \i scattered: Zth. clear.
19· 0	·20	6/8	A.	⌒, and F. clds in the Hor: L. F. clds. extending to Zth. from the NW. W. and SW. Hor.
· 1	·21	4/8	D.	⌒ in the NE, E and SE. Hor; \, and _ in the Hor, and in the N., NW., W. SW. and S: cirrous haze throughout.
· 2	·22	7/8	D.	_i, and L. \i scattered throughout: ⌒ in NE., E and SE. Hor; cirrous haze throughout.
· 3	·23	7/8	D.	_i, and L. \i scattered throughout: ⌒ in NE., E and SE. Hor.: cirrous haze throughout
· 4	19· 0	5/8	D.	⌒, and F. clds. in the NE., E. and SE. Hor.; \i, and _i in the Hor.: cirrous haze throughout.
· 5	· 1	8/8	D.	⌒ in the S. and E. Hor.; L F. clds. in the remaining Hor.: _ and \i.
· 6	· 2	8/8	D.	⌒ in the SE. Hor.; \i, and _i scattered throughout: thick fog in the Hor.
· 7	. 3		D.	Clear.
· 8	· 4		A.	Few undefined clds. scattered in the Hor.
· 9	· 5		A.	Few undefined clds. scattered in the Hor.
·10	· 6		A.	\⌒_ like clds. scattered in the Hor
·11	· 7		A.	\⌒_ like clds. scattered in the Hor.
·12	· 8		A.	\⌒_ like clds. scattered in the Hor.
13	· 9	4/8	D.	\⌒_i scattered throughout
·14	·10	6/8	D.	\⌒_i scattered throughout.
·15	·11		D.	Clear.

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Bombay Mean Time	Gottingen Mean Time	Extent of Cloudy Sky	Observer	State of the Weather
D. H.	D. H.			
19 16	19·12		D.	Clear: mist in the Hor
·17	·13	3/8	G.	L. F. clds. scattered in the Hor, and the four directions.
·18	·14	8/8	G.	Thick mist in the W., NW. and SW. Hor. and on the E hills; L. F. clds. in the remaining Hor. and the four directions: ⟍_ and ⟍.
·19	·15	7/8	G.	L. F. clds. in N., E., W. and S: thick mist on the E. hills: light fog in W. Hor.: L. ⟍i, and ⟍_i scattered throuhgout.
·20	·16	6/8	G.	L. F. clds. and ⟍_ in the W.; L. ⟍i scattered throughout: mist on the E. hills; and light fog from N. by W. to S. by W.
·21	·17	6/8	A.	Black mist in the W., NW. and SW. Hor.: L. F. clds. in lines in the Hor. all round: ⟍ in the Zth.
·22	·18	2/8	A.	Black mist in the W, SW. and NW. Hor.: L. F. clds. around the Hor.
·23	·19	3/8	A.	Black mist in the W., SW. and NW. Hor.: L. F. clds. in lines in the Hor. all round: ⟍i S. of Zth.
20· 0	·20	3/8	A.	L. F. clds. in the Hor.: ⟍i in the Zth.
· 1	·21	4/8	D.	⟍, and ⟍_ scattered in the E., W., N. and S.: thick fog in the Hor.: haze throughout.
· 2	·22	8/8	D.	⟍, and ⟍_ scattered throughout: thick fog in the Hor.
· 3	·23	8/8	D.	⟍, and ⟍_ scattered throughout: thick fog in the Hor.
· 4	20· 0	8/8	D.	⟍i, and ⟍_i scattered throughout: fog in the Hor.
· 5	· 1	6/8	G.	⟍i, and ⟍_i scattered throughout: fog in the Hor.
· 6	· 2	7/8	G.	⟍i, and ⟍_i scattered throughout: fog in the Hor.
· 7	· 3	4/8	G.	⟍i, and ⟍_i scattered in the four directions.
· 8	· 4	3/8	G.	Faint ⟍i, and ⟍_i scattered in the four directions.
· 9	· 5		D.	Overcast in the Hor.
·10	· 6		D.	Overcast in the Hor.
·11	· 7		D.	Overcast in the Hor.
·12	· 8	1/8	D.	⋁_ like clds. scattered in the Hor.
·13	· 9	4/8	A.	⋁_ like clds. scattered in the Hor.
·14	·10	4/8	A.	⋁_ like clds. scattered in the Hor., and in the N.
·15	·11	4/8	A.	⋁_ like clds. scattered in the Hor.
·16	·12	4/8	A.	⋁_ like clds. scattered in the Hor.
·17	·13	5/8	D.	⋁_ like clds. scattered in the Hor.; and L. F. clds. moving from E. to W.
·18	·14	6/8	D.	⟍, ⟍_; and L. F. ⌒ scattered: foggy mist all round the Hor.
·19	·15	8/8	D.	⋁⌒, ⟍, ⟍_; and L. F. ⌒ scattered: foggy mist all round the Hor.
·20	·16	7/8	D.	⋁⌒, ⟍, ⟍_: and L. F. ⌒ scattered: foggy mist all round the Hor.
·21	·17	6/8	A.	Black haze in the W., SW. and NW. Hor.; ⌒ and L. F. clds. in the remaining Hor.
·22	·18	3/8	A.	Black haze in the W., SW. and NW. Hor.; L. F. clds in the Hor.
·23	·19	8/8	A.	L. F. clds. in the Hor.: ⟍_ and ⟍i.
21· 0	·20	6/8	A.	L. F. clds. in the Hor.: ⟍_ and ⟍i.
· 1	·21	8/8	D.	⟍i, and ⟍_i scattered throughout: fog in the Hor.
· 2	·22	8/8	D.	⟍i, and ⟍_i scattered throughout: fog in the Hor.
· 3	·23	6/8	D.	⟍i, and ⟍_i scattered throughout: fog in the Hor.
· 4	21· 0	8/8	D.	⟍i, and ⟍_i scattered throughout: fog in the Hor.
· 5	· 1	6/8	G.	⟍i, and ⟍_i scattered throughout: fog in the Hor.
· 6	· 2	7/8	G.	⟍i, and ⟍_i scattered throughout: thick fog in the Hor.
· 7	· 3	4/8	G.	⟍i, and ⟍_i in the S. and SE.; and — in the Hor.
· 8	· 4	2/8	G.	⟍i and ⟍_i in E.; and — in the Hor.
21· 9	21· 5	1/8	A.	⟍i, and ⟍_i in E. and S. Hor.
·10	· 6	1/8	A.	⟍i, and ⟍_i in E. and S. Hor.
·11	· 7	1/8	A.	⋁_ like clds. in the E., NE. and SE. Hor.
·12	· 8	1/8	A.	⋁_ like clds. scattered in the Hor.
·13	· 9	3/8	D.	⋁_ like clds. scattered in the Hor.
·14	·10	4/8	D.	⋁_i scattered throughout.
·15	·11	4/8	D.	⋁_i, and ⟍_i scattered.
·16	·12	5/8	D.	⋁_i scattered.
·17	·13	8/8	G.	⋁_i in the E.; ⟍i, ⟍_i, and — scattered throughout.
·18	·14	8/8	G.	⟍, ⟍_, ⋁⌒; and — scattered: thick fog in the Hor.
.19	·15	8/8	G.	⟍, ⟍_, ⋁⌒; and — scattered: thick fog in the Hor.
·20	·16	8/8	G.	⟍, ⟍_, and ⋁⌒ scattered: thick mist all round the Hor.
·21	·17	8/8	A.	Black mist in the W., NW. and SW. Hor.: L. F. clds., ⟍_ and ⟍i.
·22	·18	6/8	A.	L. F. clds: ⟍_ and ⟍i.
·23	·19	8/8	A.	D. F. clds. throughout.
22· 0	·20	8/8	A.	D. F. clds. throughout.
· 1	·21	7/8	D.	D. F. clds. throughout.
· 2	·22	7/8	D.	D. F. c'lds. throughout: ⟍ and ⟍_ in the SE. Hor.
· 3	·23	7/8	D.	D. F. clds. throughout: ⟍ and ⟍_ in the SE. and S. Hor.
· 4	22· 0	7/8	D.	D. F. clds. throughout: ⟍ and ⟍_ in the SE. and S. Hor.
· 5	· 1	7/8	G.	⟍, ⟍_, ⋁⌒; and ⌒ scattered: thick mist in the Hor.
· 6	· 2	7/8	G.	⟍, ⟍_, scattered: thick mist in Hor.
· 7	· 3	5/8	G.	⟍, ⟍_, and — scattered: clear about the Zth.
· 8	· 4	4/8	G.	⌒, ⟍, and ⟍i scattered in the four directions: clear about the Zth.
· 9	· 5	2/8	A.	⋁_ like clds. scattered in the Hor.
·10	· 6	1/8	A.	⋁_ like clds. scattered in the Hor.
·11	· 7		A.	Few ⋁_ like clds. in the Hor.
·12	· 8		A.	Few ⋁_ like clds. in the Hor.
·13	· 9	2/8	D.	⋁_i scattered in the Hor.
·14	·10	1/8	D.	⋁_i scattered in the Hor.
·15	·11		D.	Clear.
·16	·12		D.	⋁_ in the NW. Hor.
·17	·13	3/8	G.	— in the Hor.; and L. ⟍i scattered throughout.
·18	·14	7/8	G.	⟍, ⟍_; and ⋁⌒ scattered throughout: thick fog in the Hor.
.19	·15	8/8	G.	L. ⟍, ⋁⌒: and ⟍_ scattered throughout: thick foggy mist all round the Hor.
·20	·16	7/8	G.	⟍_i, ⋁⌒i scattered in the NW., NE. and SE; L. ⟍i throughout: thick foggy mist all round the Hor. altitude 8°.
·21	·17	3/8	A.	Black mist in the W., SW. and NW. Hor.: L. F. clds. in the remaining Hor., and the four directions.
·22	.18	5/8	A.	Black mist in the W, SW. and NW. Hor.; L. F. clds in the remaining Hor.: haze in the Zth.
·23	·19	6/8	A.	Black mist in the W., SW. and NW. Hor.: L. F. clds. in the remaining Hor., and the four directions: ⟍i and haze in the Zth.
23· 0	·20	8/8	A.	Black haze in the W., SW. and NW. Hor.: L. F. clds. in the remaining Hor., and the four directions: ⟍_ and ⟍i.
· 1	·21	8/8	D.	⟍i, and ⟍_i throughout: mist in the Hor.
· 2	·22	8/8	D.	⟍i, and ⟍_i throughout: mist in the Hor.
· 3	·23	8/8	D.	⟍i, and ⟍_i throughout: mist in the Hor.
· 4	23· 0	8/8	D.	⟍, and ⟍_ throughout: mist in the Hor.
· 5	· 1	5/8	G.	⋁⌒, ⟍, and ⟍_ throughout: mist in the Hor.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
23· 6	23· 2	9/8	G.	\, and _ scattered throughout: mist in the Hor.
· 7	· 3	2/8	G.	Cirrous mist in the Hor.
· 8	· 4	4/8	G.	— in the Hor.
· 9	· 5		A.	Overcast in the Hor.
·10	· 6		A.	Overcast in the Hor.
·11	· 7		A.	Overcast in the Hor.
·12	· 8		A.	Overcast in the Hor.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Mist in the Hor.
·16	·12		D.	Mist in the Hor.
·17	·13	3/8	G.	D. F. ⌒ along the Hor.
·18	·14	6/8	G.	\, _ in the E. and S.; F. ⌒ moving from NW. to SE.; and mist in the Hor.
·19	·15	7/8	G.	\, _ in the E. and S.; ∨⌒, F. ⌒ moving from NW. to SE.; and mist in the Hor.
·20	·16	4/8	G.	F. ⌒ scattered in the four directions: mist in the Hor; and clear about the Zth.
·21	·17	2/8	A.	F. ⌒i scattered in the Hor., and the four directions: black haze in the W. Hor.
·22	·18	3/8	A.	D. F. ⌒ in the Hor.; a large mass of D. F. clds. moving S. from the NW.: very rare \i in the S. and SW.
·23	·19	2/8	A.	D. F. ⌒ in the Hor: haze in the SE. and S.
24· 0	·20	1/8	A.	⌒ in the Hor.: a ∨⌒ in the W, moving S.
· 1	·21	1/8	D.	⌒, and small patches of ∨∟ in the Hor.
· 2	·22		D.	⌒, and small patches of ∨∟ in the Hor. scattered here and there.
· 3	·23		D.	⌒ in the NE., E. and SE. Hor.; and F. ⌒ in the SW. and W. Hor.
25· 4	25· 0	5/8	D.	\i scattered throughout.
· 5	· 1	5/8	G.	\i scattered throughout.
· 6	· 2	7/8	G.	\i, and _i scattered throughout
· 7	· 3		G.	∨⌒i in the S.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Few ∨∟i like clds. in the S., SW. and NW. of Zth.
·13	· 9	1/8	D.	∨∟i scattered in the Hor.
·14	·10	2/8	D.	∨∟i scattered in the Hor., and in the E.
·15	·11	2/8	D.	∨∟i scattered in the Hor.
·16	·12	1/8	D.	∨∟i scattered in the Hor.
·17	·13	1/8	G.	— in the NE. and W. Hor: thin mist in the remaining part of the Hor.
·18	·14	7/8	G.	∨∟i along the Hor.: \, and _ scattered throughout; and mist on the E. hills.
·19	·15	8/8	G.	⌒ in the E. and W. Hor.; \, _ in the four directions: F. ⌒ moving from N. to S., and haze throughout.
·20	·16	8/8	G.	⌒ in the E. and W. Hor.; \, _ in the four directions: F. ⌒ in NE.; and haze throughout.
·21	·17	7/8	A.	⌒ in the Hor; dense masses of F. clds. moving S. from all directions.
·22	·18	2/8	A.	⌒ in the Hor., masses of D. F. clds. in the E. moving S.: \i SW. and S. of Zth.
·23	·19	3/8	A.	⌒, and D. F. clds. in the Hor: \i SW. and S. of Zth.
26· 0	·20	6/8	A.	⌒, and D. F. clds. in the Hor.: D. F. ⌒i from the N. and NE. moving S.: \i in the Zth.
· 1	·21	1/8	D.	⌒, and F. ⌒ in the N., NE., E., SE., S. and SW. Hor.: ∨∟ like clds. in the remaining Hor.: \, and _ in the E. and SE.: F. clds. moving SE. in small scattered masses.
· 2	·22	2/8	D.	⌒, and ∨∟ in the NW., N., NE., E., SE. and S. Hor., and F. clds. in the NW. Hor.; \i in the SE. Hor. above them.
· 3	·23	1/8	D.	⌒, and ∨∟i in the NE., E. and SE. Hor., \, and _ in the E., SE. and SW. Hor.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
26· 4	26· 0	1/8	D.	⌒, ∨∟, \, and _ in the NE., E. and SE. Hor.
· 5	· 1	2/8	G.	⌒i in the E. Hor.; \, and _ in the NE., E. and S.
· 6	· 2	2/8	G.	Faint \, and _ in the E.; and light fog all round the Hor.
· 7	· 3		G.	Light fog in the SE.
· 8	· 4	1/8	G.	_, and — in the E. and SE.
· 9	· 5	2/8	A.	L. F. clds. in the E., S. and SW. Hor.: \i in the W.
·10	· 6	2/8	A.	L. F. clds. in the E., S. and SW. Hor.: L. F. clds. in the Zth. moving S.: \i in the W. and NW.
·11	· 7	5/8	A.	D. F. ⌒i almost ∨∟i scattered moving S.
·12	· 8	4/8	A.	D. F. ⌒i almost ∨∟i scattered.
·13	· 9	4/8	D.	∨∟i scattered: Zth. clear.
·14	·10	2/8	D.	∨∟i scattered: Zth. clear.
·15	·11	2/8	D.	∨∟i scattered in the Hor.
·16	.12	4/8	D.	∨∟i scattered.
·17	·13	2/8	G.	D. F. ⌒ in the E. by S., and W. Hor: — in the Hor.
·18	.14	8/8	G.	∨∟i along the Hor; F. clds. moving from NE. to SE. below; and thin mist on the E hills: ∨⌒, \, and _ scattered throughout, above.
·19	·15	8/8	G.	⌒ along the Hor.; L. \i scattered above; and D. F. ⌒ moving SE.
·20	·16	8/8	G.	⌒ along the Hor; _ and \i scattered throughout: thick mist on the E hills.
·21	·17	8/8	A.	Masses of D. F clds below moving S., \i and _i throughout above
·22	·18	8/8	A.	Masses of D. F. clds. from the NE. and W. moving S; L. F. clds. above moving gently W.: ⌒ in the Hor.
·23	·19	7/8	A.	D. F. ⌒i in the E., NE. moving S.; ⌒ and L. F. clds. in the Hor.: L. F. clds. and \i.
27· 0	·20	4/8	A.	⌒, and F. clds. in the Hor; D. F clds. in the NE. and E. moving S.
· 1	·21	3/8	D.	⌒, and F. clds. from N. to SW. (by E.); \i and _i in the NE., E., SE., S. and SW.
· 2	·22	7/8	D.	\, and _ scattered: ⌒, and F. clds. from N. to S. (by E.)
· 3	·23	5/8	D.	\, and _ scattered, ⌒ in the NE., E. and SE. Hor.
· 4	27· 0	3/8	D.	\, and _ scattered in the E., W., N. and S., ⌒ in the E., and SE. Hor: mist in the Hor.
· 5	· 1	2/8	G.	\, and _ scattered in the E., W., N. and S.; ⌒ in the E. Hor.; and mist all round the Hor.
· 6	· 2	1/8	G.	∨⌒, and _ scattered in E. and S.; and light fog in the Hor.
· 7	· 3	3/8	G.	\, and _ scattered in the four directions; and light mist in Hor.
· 8	· 4	4/8	G.	\, and _ scattered in the four directions; and light mist in Hor
· 9	· 5	7/8	A.	L. F. clds. and \i. Zth clear.
·10	· 6	2/8	A.	\i almost haze in the Hor.
·11	· 7	2/8	A.	Haze in the Hor.
·12	· 8		A.	Overcast in the S. Hor.
·13	· 9	1/8	D.	∨∟i scattered in the Hor.
·14	·10	1/8	D.	∨∟i scattered in the Hor.
·15	·11		D.	Mist in the Hor.
·16	·12		D.	Mist in the Hor.
·17	·13	6/8	G.	∨∟i scattered in the four directions, and faint \ in the Zth.
·18	·14	6/8	G.	_, and \ scattered in the four directions; haze in the Zth.; and light fog in the Hor.
·19	·15	6/8	G.	_, and \ scattered in the NE., E., SE. and S.; ⌒ in the W.; F. ⌒ moving from NW. to SE. below, and mist in Hor.
·20	·16	5/8	G.	_, and \ scattered in the four directions: L. F. ⌒ moving from NW. to SE., and mist in Hor

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
27·21	27·17	6/8	A.	L. F. clds in the Hor.; few F. ⌒ scattered moving SW.; ∖_, and ∖i: Zth. clear.
·22	·18	7/8	A.	⌒, and F. clds. in the Hor.; linear ∖i above; and D. F. clds. scattered below, the latter moving SW.: clear in the W. SW.
·23	·19	5/8	A.	⌒, and F. clds. in the Hor.: ∖i scattered.
28· 0	·20	4/8	A.	⌒, and F. clds. in the Hor.: L. F. clds. in the four directions.
· 1	·21		D.	∖ in the NW.; ⌒, and ∖_ in the E., and SE. Hor.
· 2	·22	1/8	D.	⌒, and ∖_ in the E., and SE. Hor.; ∖ and ∖_ in the SW. Hor.
· 3	·23	1/8	D.	⌒, and F. clds. in the E., and SE. Hor.; ∖, and ∖_ in the SW. and W. Hor; ∿⌒ in E.
· 4	28· 0	2/8	D.	⌒, ∖_, and fog in the E., and SE. Hor.; ∿⌒ in the N., NW., W., S. and NE: ∖, and ∖_ in the S. and SW. Hor.
· 5	· 1	4/8	G.	∖_, and ∖ in the E. and SE.; ∿⌒ moving from E. to W.: black F. ⌒ in S.; and light fog in the Hor.
· 6	· 2	6/8	G.	Patches of ∿⌒ moving from E to W. black F. ⌒ scattered in the SE., and N.; and light fog in Hor.
· 7	· 3	6/8	G.	F. ⌒, and ∿⌒ moving, in scattered masses from E. to W.; and — in the Hor.
· 8	· 4	7/8	G.	F. ⌒, and ∿⌒ moving in scattered masses from E. to W.; L. ∖i scattered throughout; and — in the Hor.
· 9	5	4/8	A.	L. F. clds.; ∖_, and ∖i in the Hor. and the four directions.
·10	· 6	4/8	A.	L. F. clds.; and ∖_, ∖i scattered in the Hor. and the four directions: ∿⌒ in the S. moving very gently SW.
·11	· 7	3/8	A.	F. clds. in the SW. and W Hor.: ∖i like haze in the remaining Hor.
·12	· 8	2/8	A.	∖i almost haze in the Hor.
·13	· 9	1/8	D.	Fog in the Hor.
·14	·10	1/8	D.	Fog in the Hor.
·15	·11	1/8	D.	Fog in the Hor.
·16	·12	1/8	D.	Fog in the Hor.
·17	·13	1/8	G.	Fog in the Hor.
·18	·14	2/8	G.	∖_ in the SE.; — in the E.; black F. ⌒ moving towards SW. from NW.; and thick fog in the Hor.
·19	·15	8/8	G.	∖_ in the W.; and thick mist throughout.
·20	·16	7/8	G.	∖_ in the W.; thick mist in the Hor.; and haze throughout.
·21	·17	2/8	A.	A line of F. clds. in the W. Hor.: black mist extending from the SW. to N. Hor.: the remaining Hor. hazy.
·22	·18	2/8	A.	L. F. clds. in the W SW. and NW. Hor.: ⌒ in the remaining Hor.
·23	·19	2/8	A.	L. F. clds. and ⌒ in the Hor.
29· 0	·20	2/8	A.	L. F. clds. and ⌒ in the Hor.
· 1	·21	1/3	D.	⌒, and F. ⌒ in the N., NE, E. and SE. Hor.
· 2	·22	1/8	D.	⌒, and F. ⌒ in the N, NE., E. and SE. Hor.
· 3	·23	1/8	D.	⌒ scattered in the NE., E. and SE. Hor.; ∿⌒, and F. clds. in the NE.: mist in the Hor.
· 4	29· 0		D.	Mist in the Hor.: ∖_ in the SW. Hor.
· 5	· 1	2/8	G.	∖, and ∖_ in the SW. and W.; and light mist in the Hor.
· 6	· 2	2/8	G.	Light mist in the Hor.
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
29·15	29·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	Light fog in the Hor.
·18	·14	1/8	G.	∖_ in the E.; and light fog in the Hor.
·19	·15	3/8	G.	Thick mist in the four directions; and haze in the Zth.
·20	·16	3/8	G.	Thick mist in the four directions; and haze in the Zth.
·21	·17		A.	L. F. clds. in the E. Hor.
·22	·18		A.	Few L. F. clds. in the E. Hor.
·23	·19		A.	Clear.
30· 0	·20		A.	Clear.
· 1	·21		D.	F. ⌒ in the N.; and ∖i in the S.: mist in the Hor.
· 2	·22		D.	F. ⌒ in the NE.; and ∖i in the NW.: mist in the Hor.
· 3	·23		D.	Mist in the Hor.
· 4	30· 0		D.	Mist in the Hor.
· 5	· 1	2/8	G.	Mist in the Hor.
· 6	· 2	2/8	G.	Mist in the Hor.
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	Thick fog in the Hor.
·18	·14		G.	Thick fog in the Hor.; and — in the E.
·19	·15		G.	Thick mist throughout.
·20	·16		G.	Thick mist in the Hor.; and haze throughout.
·21	·17		A.	Black mist in the W., SW. and N. Hor.
·22	·18		A.	Black mist in the W., SW. and N. Hor.
·23	·19		A.	Black haze in the W., SW. and N. Hor.
Nov.				
31· 0	·20		A.	Clear.
· 1	·21		D.	Mist in the Hor. from N. to S. (by E.)
· 2	·22		D.	Mist in the Hor.
· 3	·23		D.	Mist in the Hor.

NOVEMBER, 1846.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
1· 4	1· 0	2/8	G.	L. F. clds. in the SE.; ∖_ in the E. and W.; and a few ∿∖_i in S. by E.: light mist in the Hor.
· 5	· 1	3/8	G.	∖i, ∖_i, and --- scattered in the four directions; and light mist in the Hor.
· 6	· 2	2/8	G.	∖i, and ∖_i scattered in the S., SW. and W; and light fog in the Hor.
· 7	· 3	1/8	G.	Slight mist in the Hor.
· 8	· 4	1/8	G.	Slight mist in the Hor
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
1·17	1·13		G.	Light fog in the Hor.
·18	·14	2/8	G.	— in the E. Hor.; and thick fog in the remaining parts of the Hor.
·19	·15	3/8	G.	Thick mist in the Hor.
·20	·16	4/8	G.	⌒ in the E. Hor.; mist all round the Hor.; and haze throughout.
·21	17	2/4	A.	⌒, and L. F. clds. in the E., N. and S. Hor.: black haze in the W. Hor.
·22	·18	2/2	A.	⌒, and L. F. clds. in the E., N. and S. Hor.: black haze in the W. Hor.
·23	·19	1/8	A.	Black haze in the W. Hor.: ⌒ in the other parts of the Hor.
2· 0	·20		A.	Clear in the W. Hor.: ⌒ in the remaining Hor.
· 1	·21	1/8	D.	⌒ in the Hor. from N. to S. (by E.)
· 2	·22	1/8	D.	⌒ in the Hor. from N. to S. (by E.): F. ⌒ in the NW. Hor; and ╲▁i in the SW. Hor.
· 3	·23	1/8	D.	⌒ in the Hor. from N. to S. (by E); ╲i in SE. and S. Hor.: patches of ∨▁ in the NW. Hor.
· 4	2· 0	1/8	D.	⌒ from N. to S. (by E.).
· 5	· 1	2/8	G.	⌒ from NE. to S. (by E.); and ╲i and — from S. to N. (by W.).
· 6	· 2		G.	Black haze in the W. Hor.: ⌒ in the E. and S. Hor.
· 7	· 3		G.	⌒ in the E., SE. and NE. Hor.
· 8	· 4		G.	⌒ in the E. Hor.
· 9	· 5		A.	⌒ in the E. Hor.
·10	· 6		A.	⌒ in the E. Hor
·11	· 7		A.	⌒ in the E. Hor.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
.15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	— in the E. Hor.
·18	·14	4/8	G.	╲i in the E.: black — in the NW.; and thick fog in the Hor.
·19	·15	4/8	G.	Black — in the W. Hor.; and thick mist all round the Hor.: L. haze throughout.
·20	·16	3/8	G.	Thin mist all round the Hor.
·21	·17	1/8	A.	Black mist in the W., SW. and NW. Hor.
·22	·18	1/8	A.	Black mist in the W., SW. and NW. Hor.: F. ⌒ in the S. Hor.
·23	·19	2/8	A.	Black mist in the W., SW. and NW. Hor.: ⌒ in the remaining Hor.
3· 0	·20	1/8	A.	⌒ in the E., S. and NE. Hor.
· 1	·21	1/8	D.	⌒ in the NE., E. and SE. Hor.
· 2	·22	1/8	D.	⌒ in the NE., E. and SE. Hor.
· 3	.23	1/8	D.	⌒ in the NE., E. and SE. Hor.
· 4	3· 0	1/8	D.	⌒ in the NE., E. and SE. Hor.
· 5	· 1		G.	⌒ in the NE., E. and SE. Hor.
· 6	· 2		G.	Light fog in the Hor.
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear
·15	·11		D.	Clear.
·16	·12		D.	F. ⌒ in the NW. and W. Hor.
·17	·13		G.	F. ⌒ in the W., N. and E. Hor.
·18	·14	1/8	G.	D. F. ⌒ scattered in the four directions, and thin haze throughout.
·19	·15	2/8	G.	F. ⌒ in the E.; and black haze in the W. Hor.: mist on the E. hills.

Bombay, Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
3·20	3·16	8/8	G.	L. F. ⌒ moving towards SW.; and thick black haze in the W. Hor.: mist in the E. Hor.
·21	·17	6/8	A.	Black mist in the W., SW. and NW. Hor.; L. F. clds. in the remaining Hor.
·22	·18	3/8	A.	Black mist in the W., SW. and NW. Hor.; L. F. clds. in the remaining Hor.
·23	·19	2/8	A.	Black mist in the W., SW. and NW. Hor. and in the four directions.
4· 0	·20	1/8	A.	⌒ in the E., SE. and NE. Hor.
· 1	·21	1/8	D.	⌒ in the NE., E. and SE. Hor.
· 2	·22	1/8	D.	⌒ in tne NE., E. and SE. Hor.
· 3	·23	1/8	D.	⌒ in the NE, E. and SE. Hor
· 4	4. 0	1/8	D.	⌒i, and F. ⌒ in the NE., E. and SE. Hor.
· 5	· 1	1/8	G.	⌒ in the E. and SE. Hor.; and haze in W. Hor.
· 6	· 2		G.	⌒, and F. clds. in the SE; and haze in the W. Hor
· 7	· 3		G.	╲▁ in the SE. Hor.
· 8	· 4		G.	— in SE. Hor.
· 9	· 5		A.	— in SE. Hor.
·10	· 6		A.	— in SE. Hor
·11	· 7		A.	— in SE. Hor.
·12	· 8		A.	— in SE. Hor.
·13	· 9		D.	Clear
·14	·10		D.	Clear
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13	3/8	G.	Black haze in the E. and SE. Hor.
·18	·14	3/8	G.	Thick black haze from NW. to SW.; ╲▁ in SE. and E.; and mist on the E. hills.
·19	·15	3/8	G.	Thick black haze from NW. to SW.; and mist in the E. Hor.
·20	·16	1/8	G.	Thick mist in the Hor.
·21	·17	1/8	A.	Mist in the W., SW. and NW. Hor.: — in the S. Hor.
·22	·18	1/8	A.	Mist in the W., SW. and NW. Hor.: — in the S. Hor.
·23	·19		A.	Clear.
5· 0	·20	1/8	A.	⌒ in the E., NE. and S. Hor.
· 1	·21	1/8	D.	⌒ in the NE., E. and SE. Hor.
· 2	·22	1/8	D.	⌒ in the NE., E and SE. Hor.
· 3	·23	1/8	D.	⌒ in the NE., E. and SE. Hor.
· 4	5· 0	1/8	D.	⌒, and — in the NE., E. and SE Hor.
· 5	· 1	1/8	G.	⌒, and — in the E. and SE. Hor.; and haze in the W. Hor.
· 6	· 2		G.	∨▁, and ⌒i in the E. and SE. Hor.; and haze in the W. Hor.: lightning in the E by S Hor.
· 7	· 3		G.	∨▁ in the E. Hor.; haze in the W. Hor.: lightning in the SE.
· 8	· 4		G.	⌒, and — in the E. Hor.; a few ∨⌒ moving from E. to W.: lightning in the E. by S. Hor.
· 9	· 5		A.	F. ⌒i in the Hor. except the W. and NW.: F. ⌒i spread all over the sky at 9h. 30m.
·10	· 6		A.	F ⌒i in the Hor., and the four directions.
·11	· 7		A.	F. ⌒i scattered moving NW.
·12	· 8		A.	D. F. clds. moving gently W.: Zth. clear.
·13	· 9		D.	∨⌒i scattered throughout.
·14	·10		D.	∨⌒i scattered throughout: — in the Hor.
·15	·11		D.	∨⌒i in the NW; and — from N. to S. (by E.) Hor.
·16	·12		D.	∨⌒i in the N., NE., E. and SE. Hor.; — in the NE., E. and SE. Hor.
·17	·13		G.	— in the E. and SE. Hor.; and F. ⌒ moving from NW. to SW.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
5·18	5·14	3/8	G.	— in the E., SE. and W. Hor.; and black haze all round the Hor.
·19	·15	4/8	G.	F. ⌒ in the SE.; thick mist in the E.: L. haze in the NW.; and ⌒ in W. Hor.
·20	·16	3/8	G	F. ⌒ in the SE ; thick mist in the E.; L haze in the NW.; and F. ⟍i in the W. Hor.
·21	·17	6/8	A.	F. clds., ⟍i and ∿i in the Zth.: black mist in the W., NW. Hor.: clear in the W.
·22	·18	6/8	A.	F. clds , and ∿i moving very gently W.: black mist in the W., NW. Hor.: Zth and N., NW. partly clear.
·23	·19	5/8	A.	Lines of F. clds. in the Hor., and the four directions.
6· 0	·20	3/8	A.	∿i in the E Hor : black mist in the W., NW. and SW. Hor : ⌒ in the remaining Hor.
· 1	·21	1/8	D.	⌒, and — from NE. to S. (by E): ∿ in the S.
· 2	·22	1/8	D.	⌒_, ⌒, and — from NE. to S. (by E.): ∿ in the S.
· 3	·23	1/8	D.	∿_, —, and ⌒_ in the NE., E., SE. and S. Hor.: mist in the remaining Hor.
· 4	6· 0	1/8	D.	∿ in the NE., E., SE. and S ; ∿_ and ⌒_ in the NE., E. and SE. Hor. : mist in the remaining Hor.
· 5	· 1	5/8	G.	Patches of ∿i overhead ; ∿_ in the E. and SE : ⌒_, and ⌒ in the NE.: haze in the W. Hor.
· 6	· 2	6/8	G.	Patches of ∿i overhead : ∿_ in the E. and SE : ⌒_ and ⌒ in the NE. and N.: haze in the W. Hor.
· 7	3	2/8	G.	∿_ in the E. Hor ; and ⟍_ in SW : haze in the W. Hor.
· 8	· 4	4/8	G.	∿_ from SW, to N. (by E.)
· 9	· 5	4/8	A.	∿i, and F. clds. scattered in the Hor., and the four directions.
·10	· 6	4/8	A.	∿i, and F. clds. scattered in the Hor., and the four directions.
·11	· 7	8/8	A.	D. F. clds , and ∿i moving gently W.
·12	· 8	8/8	A.	∿_i in the E. Hor.: D. F. clds. moving gently W.
.13	· 9	8/8	D.	∿_i, F. clds., and ∿ throughout.
·14	·10	8/8	D.	∿_i, and F. clds. throughout.
·15	·11	8/8	D.	∿_i, and F. clds. throughout.
·16	·12	8/8	D.	∿_i, and F. clds. throughout.
·17	·13	8/8	G.	∿_i, and F. clds. throughout.
·18	·14	8/8	G.	∿_i, and F clds. throughout.
·19	·15	7/8	G.	∿_i, and F. clds. throughout : thick mist in the E.
·20	·16	5/8	G.	F. ⌒, and ∿ scattered in the four directions ; and ⟍i in the Zth.
·21	·17	4/8	A.	F. ⌒i, and ⌒ scattered in the Hor., and the four directions.
·22	·18	4/8	A.	F. ⌒i, and ⌒ scattered in the Hor., and the four directions.
.23	·19	4/8	A.	F. ⌒i, and ⌒ scattered in the Hor., and four directions : ∿i S. of Zth.
7· 0	·20	4/8	A.	F. clds. scattered in the Hor., and the four directions: black mist in the NW. Hor.
· 1	·21	3/8	D.	F. clds. scattered in the Hor , and the four directions: black mist in the NW. Hor.
· 2	·22	2/8	D.	⌒ from N to S. (by E) ; ⟍i and ⟍_i in the E , SE., S. and SW. Hor.; ∿ in NW., NE , E., SE. and S. Hor.
· 3	·23	2/8	D.	⌒ from N. to S. (by E.) ; ⟍i and ⟍_i in the NE., E , SE. S. and SW. Hor.: ∿ in NE. Hor.
8· 4	8· 0		G.	Clear.
· 5	· 1		G.	Haze in the Hor.
· 6	· 2		G.	Haze in the Hor.
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
8·12	8· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	Clear.
·18	·14		G.	Thick black haze in the W. Hor.; and — in the E Hor.
·19	·15		G.	Slight haze in the W. Hor.; mist on the E. hills.
·20	·16		G.	Slight haze in the W. Hor.; mist on the E. hills.
·21	·17		A.	Black haze in the W. Hor.
·22	·18		A.	Black haze in the W. Hor.
·23	.19		A.	Black haze in the W. Hor.
9· 0	·20		A.	Clear.
· 1	·21		D.	Clear.
· 2	·22		D.	Clear.
· 3	·23		D.	Mist in the Hor.
· 4	9· 0		D.	Mist in the Hor.
· 5	· 1		G.	Haze in the W. Hor.
· 6	· 2		G.	Haze in the W. Hor.
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	Clear.
·18	·14		G.	Haze in the Hor.
·19	·15		G.	Thick black haze in the W. Hor ; and mist in E. Hor.
·20	·16		G.	Thick black haze in the W. Hor.; and mist in E. Hor.
·21	·17		A.	Black mist in the W. Hor.
·22	·18		A.	Black mist in the W. Hor.
·23	·19		A.	Black mist in the W., NW. and SW. Hor.
10· 0	·20		A.	Clear.
· 1	·21		D.	Clear.
· 2	.22		D.	Mist in the Hor.
· 3	·23		D.	Mist in the Hor.
· 4	10· 0		D.	Mist in the Hor.
· 5	· 1		K.	Mist in the Hor.
· 6	· 2		K.	Mist in the Hor.
· 7	· 3		K.	Clear.
· 8	· 4		A.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		K.	Clear.
·18	·14		K.	Clear.
·19	·15		K.	Mist in the Hor.
·20	·16		K.	Mist in the Hor.
·21	·17		A.	Black mist in the W., SW., NW. Hor.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
10·22	10·18		A.	Black mist in the W., SW., NW Hor.
·23	·19		A.	Black mist in the W., SW , NW. Hor.
11· 0	·20		A.	Clear.
· 1	·21		D.	Mist in the Hor.
· 2	·22		D.	Thick mist in the Hor.
· 3	·23		D.	Thick mist in the Hor.
· 4	11· 0		D.	Thick mist in the Hor.
· 5	· 1		K.	Thick mist in the Hor.
· 6	· 2		K.	Clear.
· 7	· 3		K.	Clear.
· 8	. 4		K.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear
·17	·13		ID.	Clear.
·18	·14		ID.	Clear.
·19	·15		G.	Thick black haze from NW. to SW. Hor.; and mist from NE. to SE. Hor
·20	·16		G.	Thick black haze from NW. to SW. Hor.; and mist from NE to SE Hor.
·21	·17		A.	Black mist extending from the N. to the S. Hor. (by W.)
·22	·81		A.	Black mist extending from the N. to the S. Hor. (by W.)
·23	·91		A.	Clear.
12· 0	·20		A.	Clear.
· 1	·21		D.	Mist in the Hor.
· 2	·22		D.	Mist in the Hor.: \i, and _ in the SE., S. and SW Hor.
· 3	·23		D.	Mist in the Hor.: \i in the SE., S. and SW. Hor.
· 4	12· 0		D.	Mist in the Hor.: \i in the SE.
· 5	· 1		G.	Mist in the Hor.
· 6	· 2		G.	Slight mist in the Hor.
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	L. \i in the SE.
·18	·14	4/8	G.	_i, \, and ∿i scattered in the SE., E., N. and NE : thick fog from N. to S (by W) altitude 8°
·19	·15	7/8	G.	Thick mist in the Hor ; and faint \i scattered throughout.
·20	·16	4/8	G.	\i in the SE., S. and E ; white mist on the E. hills ; and black mist in the W. Hor.
·21	·17	2/8	A.	L. F. clds. extending from the NE. to the S Hor. (by E.; thick black mist in the NW.: mist in the remaining Hor.
·22	·18	2/8	A.	L. F. clds. extending from the NE to the S Hor. (by E , smoke like mist in the SE. Hor.: black mist in the remaining Hor
·23	·19	3/4	A.	Black mist from the N to the S. Hor. (by W . L. F. clds in the remaining Hor.
13· 0	·20	1/4	A.	L. F. clds extending from the NE to the S Hor. by E)

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
13· 1	12·21	1/8	D.	\i, and _i from SE. to SW. Hor. (by S)
· 2	.22	1/8	D.	\i, and _i in the SE., and SW. Hor. and in the Zth.: mist in the Hor.
· 3	·23	3/8	D.	\i, and _i scattered in the E., W., N. and S. Hor : thick mist in the Hor.
· 4	13· 0	2/8	D.	\i, and _i scattered in the Hor : mist in the Hor.
· 5	· 1	2/8	G.	\i, and _i scattered in the E., SE , SW. and W. Hor.
· 6	· 2	1/8	G.	_i in the W. Hor ; and mist in the remaining part of the Hor.
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear.
· S	· 5		A:	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Two lines of ∿ like clds., one in the S. Hor., and the other in the W. Hor.
·13	· 9		D.	∿ like clds. in the NW. Hor.
·14	·10		D.	— in the NW., W. and SE. Hor.
·15	·11		D.	_i in the NE., E. and SE. Hor.
·16	·12		D.	_i in the NE., E. and SE. Hor.
·17	·13	4/8	G.	\i, and _i scattered in the four directions : clear about the Zth.
·18	·14	8/8	G.	— in the W.; ⌒ in the SE. and NW.; and \i, and _i scattered throughout.
.19	·15	8/8	G.	\i, and _i scattered throughout : thick black haze in the W. Hor.; and white mist in E. Hor.
·20	·16	8/8	G.	∿, \, and _ scattered throughout : thick black haze in W. Hor.: and white mist in E. Hor
·21	·17	8/8	A.	_, and \i: black mist in the W. NW. and SW. Hor.
·22	·18	8/8	A.	_, and \i: black mist in the W. NW. and SW. Hor.: a line of F. clds. extending from the N. to the W. Hor.: a halo forming around the ⊙.
·23	·19	8/8	A.	L. F. clds. in the Hor : _, and \i moving very gently NE.
14· 0	·20	8/8	A.	L. F. clds. in the Hor.; _, and \i,
· 1	·21	7/8	D.	\i. _i, and F. clds. scattered throughout.
· 2	·22	7/8	D.	\i, _i, and F. clds. scattered throughout.
· 3	·23	7/8	D.	\i, _i, and F. clds. scattered throughout.
15· 4	15· 0		G.	Slight mist in the Hor.
· 5	· 1		G.	Slight mist in the Hor.
· 6	· 2		G.	Haze in Hor.
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	Clear.
·18	·14	5/8	G.	⌒, \i, and _i in the S., SW. and W.: thick black mist in the Hor.
·19	·15	2/8	G.	\i, and _i in the SE., S. and SW.: black haze in the W. Hor.; and mist on the E hills.
·20	·16	1/8	G.	\i, and _i in the SE., S. and SW.: black haze in the W Hor.; and mist on the E. hills.
·21	·17	1/8	A.	Black mist extending from the NW. to SW Hor (by W): L. F. clds. extending from the NE. to S Hor (by E.)

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
15·22	15·18		A.	Black mist extending from the NW. to SW. Hor. (by W.): L. F. clds. in the NE.
·23	·19		A.	Black mist extending from the NW. to SW. Hor. (by W.)
16· 0	·20		A.	Clear.
· 1	·21		D.	\i, and _i in the SW. Hor.: mist in the Hor.
· 2	·22		D.	\i, and _i in the SW. and S. Hor.: mist in the Hor.
· 3	·23	1/8	D.	\, and _i in the SW. and S. Hor : mist in the Hor.
· 4	16· 0		D.	\i, and _ in the SE., S. and SW. Hor.: mist in the Hor.
· 5	· 1	1/8	G.	\, and _ in the SE. Hor ; and light mist all round the Hor.
· 6	· 2	1/8	G.	_ in the SE. Hor.; and haze all round the Hor.
· 7	· 3	1/8	G.	Clear.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	Clear.
·18	·14		G.	— in the Hor.
·19	·15		G.	Thick black haze in W. Hor.; and mist on the E. hills.
·20	·16		G.	Thick black haze in W. Hor.; and mist on the E. hills.
·21	·17		A.	Thick black haze extending from the SW. to N. Hor. (by W.)
·22	·18		A.	Thick black haze extending from the SW. to N. Hor. (by W.)
·23	·19		A.	Thick black haze extending from the SW. to N. Hor. (by W.)
17· 0	·20		A.	Clear.
· 1	·21		D.	Mist in the Hor.
· 2	·22		D.	Mist in the Hor
· 3	·23		D.	Mist in the Hor.
· 4	17· 0		D.	Mist in the Hor.
· 5	· 1		G.	Mist in the Hor.
· 6	· 2		G.	Haze in the Hor.
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	Clear.
·18	·14	2/8	G.	— from N., NW. to S., SW. Hor.; and black haze in the remaining parts of the Hor.
·19	·15	2/8	G.	Thick black haze from NNW. to S. by W. Hor.: mist from SE. to NE. Hor.
·20	·16	1/8	G.	Thick black haze from NNW. to S. by W. Hor.: mist from SE. to NE. Hor.
·21	·17	1/8	A.	Black mist, extending from the N. to the SW. Hor. (by W.)
·22	·18		A.	Black mist, extending from the N. to the SW. Hor. (by W.)
·23	·19		A.	Black mist, extending from the N. to the SW. Hor. (by W.)
D. H.	D. H.			
18· 0	17·20		A.	Clear.
· 1	·21		D.	Mist in the Hor.
· 2	·22		D.	Mist in the Hor.
· 3	·23		D.	Mist in the Hor.
· 4	18· 0		D.	Mist in the Hor.
· 5	· 1		G.	Thick haze in the Hor.
· 6	· 2		G.	Thick haze in the Hor.
· 7	· 3		G.	— in the Hor.
· 8	· 4		G.	— in the Hor.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	Clear.
·18	·14	2/8	G.	— from NE. to SE. Hor ; and thick black mist from NW. to SW. Hor.
·19	·15	1/8	G.	Thick white mist from NE. to SE.; and black haze from NW. to SW. Hor.
·20	·16	1/8	G.	Thick white mist from NE. to SE.; and black haze from NW. to SW. Hor.
·21	·17		A.	Black mist extending from the N. to the SW. Hor. (by W.)
·22	·18		A.	Black mist extending from the N. to the SW. Hor. (by W.)
·23	·19		A.	Black mist extending from the N. to the SW. Hor. (by W.)
19· 0	·20		A.	Clear.
· 1	·21		D.	Mist in the Hor.
· 2	·22		D.	Mist in the Hor.
· 3	·23		D.	Mist in the Hor.
· 4	19· 0		D.	Mist in the Hor.
· 5	· 1		G.	Mist in the Hor.
6	· 2		G.	Mist in the Hor.
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	Clear.
·18	·14	1/8	G.	— from SE. to NE. Hor ; and black mist from NW. to SW. Hor.
·19	·15	2/8	G.	Thick mist all round the Hor.
·20	·16	1/8	G.	Thick mist all round the Hor.
·21	·17	1/8	A.	Black mist extending from the SW. to the N. Hor. (by W.): mist in the remaining Hor.
·22	·18	1/8	A.	Black mist extending from the SW. to the N. Hor. (by W.): mist in the remaining Hor.
·23	·19		A.	Faint mist extending from the SW. to the N. Hor. (by W.)
20· 0	·20		A.	Clear.
· 1	·21		D.	Mist in the Hor.
· 2	·22		D.	Mist in the Hor.
· 3	·23		D.	Mist in the Hor.

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D. H.	D. H.			
20· 4	20· 0		D.	Mist in the Hor.
· 5	· 1		G.	Mist in the Hor.
· 6	· 2	1/8	G.	— in the W. Hor.; and slight mist in the E. Hor.
· 7	· 3		G.	— in the W. Hor.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	Observation lost.
·18	·14		G.	Thick black mist from NW. to SW. Hor.; and — from NE. to SE.
·19	·15		G.	Thick black mist from NW. to SW. Hor.; and white mist in the E. Hor.
·20	·16		G.	Thick black mist from NW. to SW. Hor.; and white mist in the E. Hor.
·21	·17		A.	Black mist extending from the N. to the SW. Hor. (by W.) : mist in the remaining Hor.
·22	·18		A.	Black mist extending from the N. to the SW. Hor. (by W.): mist in the remaining Hor.
·23	·19		A.	Clear.
21· 0	·20		A.	Clear.
· 1	·21		D.	Mist in the Hor.
· 2	·22		D.	Mist in the Hor.
· 3	·23		D.	Mist in the Hor.
22· 4	22· 0		G.	Clear.
· 5	· 1		G.	Mist in the Hor.
· 6	· 2		G.	Mist in the Hor.
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	12		D.	Clear.
·17	·13		G.	Clear.
·18	.14		G.	— in the E Hor , and haze scattered throughout.
·19	·15	2/8	G.	⌞ from NE. to SE : thick mist on the E. hills, and black in the W. Hor.
·20	·16	1/8	G.	⌞ from NE. to SE.: thick mist on the E. hills, and black in the W. Hor.
·21	17	4/8	A.	Black mist extending from the N. to the SW. Hor. (by W.) L. F clds. throughout.
·22	·18	2/8	A.	Black mist extending from the N. to the SW. (by W.): L. F. clds. in the remaining Hor.
·23	·19	2/8	A.	Black mist extending from the N. to the SW. (by W.): L. F clds in the remaining Hor
23· 0	·20	2/8	A.	L. F. clds in the Hor , except the W. \i in the S. and SW.
· 1	·21	2/8	D.	— in the E., and SE. Hor., \i, and ⌞i in the SE., S. and SW. Hor : mist in the Hor.
· 2	·22	2/8	D.	— in the E., and SE. Hor , \i, and ⌞i in the SE., S. and SW. Hor : mist in the Hor.
· 3	·23	2/8	D.	— in the E., and SE Hor , \i, and ⌞i in the SE., S and SW. Hor : mist in the Hor.
23· 4	23· 0	2/8	D.	— in the E. and SE. Hor.; \i in the SE., S , SW. and W. Hor : mist in the Hor.
· 5	· 1	2/8	G.	—, and ⌞ in the E., SE. S. and SW.; and mist around the Hor.
· 6	· 2	2/8	G.	⌞ in the S. Hor.; and — in the remaining part of the Hor
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13	1/8	G.	— in the E. and SE. Hor.
·18	·14	6/8	G.	—i in the W. Hor.; and \i, ⌞i scattered throughout.
·19	·15	7/8	G.	\i, ∨∩i, and F ∩ scattered : thick mist from NE. to SE.; and black haze in the W. Hor.
·20	·16	7/8	G.	\i, ∨∩, and F. ∩ scattered ; thick mist from NE. to SE.; and black haze in the W. Hor.
·21	·17	7/8	A.	\i, and ⌞i ; black mist, extending from the N. to the SW. Hor. (by W.): L. F. clds. in the remaining Hor.
·22	·18	6/8	A.	L. F clds. in the Hor : black mist extending from the N. to the SW Hor. (by W.) \i, and ⌞i : Zth. clear.
·23	·19	7/8	A.	L. F. clds., \i, and ⌞i : black mist extending from the N. to the SW Hor. (by W.)
24· 0	·20	7/8	A.	L. F. clds. \i, and ⌞i: black mist extending from the N. to the SW. Hor. (by W.)
· 1	·21	5/8	D.	\i, and ⌞i scattered throughout, Zth. excepted : mist in the Hor.
· 2	·22	3/8	D.	\i, and ⌞i scattered throughout, Zth. excepted : mist in the Hor.
· 3	·23	2/8	D.	\i in the SE. SW. and W. and NW.; ⌞ in the E , and SE. Hor.: mist in the Hor.
· 4	24· 0		D.	Mist in the Hor : ⌞ in the SE Hor.
· 5	· 1		G.	Mist all round the Hor.
· 6	· 2		G.	Mist all round the Hor.
· 7	. 3		G.	Clear.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7	1/8	A.	Overcast in the S. Hor.
·12	· 8		A.	Clear.
13	· 9		D.	Clear.
·14	·10		D.	Clear.
15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	Clear.
·18	·14	2/8	G.	—i in the E and SE Hor.; and mist all round the Hor.
·19	·15	1/8	G.	⌞i in the SE. Hor.: thick black haze in the W Hor ; and mist on the E hills.
·20	·16	1/8	G.	Thick black haze in the W. Hor ; and mist on the E. hills
·21	·17		A.	Clear.
·22	·18		A.	Black haze extending from the N. to the SW. Hor (by W)
·23	·19		A.	Black haze extending from the N. to the SW. Hor. (by W)
25· 0	·20		A.	L. F. clds. in the S. Hor.
· 1	·21		D.	Mist in the Hor
· 2	·22		D.	Mist in the Hor
· 3	·23		D.	Mist in the Hor

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D. H.	D. H.			
25· 4	25· 0		D.	Mist in the Hor.
· 5	· 1		G.	Mist in the Hor.
· 6	· 2		G.	Mist in the Hor.
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	Clear.
·18	·14	3/8	G.	— in the E. Hor.; and black haze all round the Hor.
·19	·15	2/8	G.	Thick black haze in the NW. and W. Hor.; and mist in the SE., E. and NE. Hor.
·20	·16	3/8	G.	Thick mist throughout the Hor.
.21	·17	2/8	A.	L. F. clds., extending, from the S. to the NE. Hor. (by E.): black mist, extending, from the SW. to N. Hor.
·22	·18	2/8	A.	L. F. clds., extending, from the S. to the NE. Hor. (by E.): black mist, extending from the SW. to N. Hor.
·23	·19	2/8	A.	L. F. clds., extending from the S. to the NE. Hor. (by F.): black mist, extending from the SW. to N. Hor.
26· 0	·20	2/8	A.	L. F. clds., extending from the S. to the NE. Hor. (by E.)
· 1	·21	2/8	D.	— along the E., SE and S. Hor.: mist in the Hor.
· 2	·22	2/8	D.	— along the E., SE. and S. Hor.: mist in the Hor.
· 3	·23	2/8	D.	— along the E., SE. and S. Hor: mist in the Hor: ╲i in the SE.; and ╲_i in the S.
· 4	26· 0	2/8	D.	— in the E., SE. and S. Hor.; ╲i and ╲_i in the SE., S. and SW.: mist in the Hor.
· 5	· 1	6/8	G.	— in the E.; ╲i and F. clds. moving from SE to NW.; and light mist in the W. Hor.
· 6	· 2	5/8	G.	— in the E., SE. and W.; and detached masses of L. F. clds. moving NW.
. 7	· 3	4/8	G.	╲_, and — from S. to E. (by N); detached masses F. ∩ moving NW.; and light ╲i in the NE.
· 8	· 4	4/8	G.	╲_, and — from S. to E. (by N.): clear about the Zth.
· 9	· 5	4/8	A.	L. F. clds., extending from the S. to the NE. Hor. (by E.): mist like ╲i in the remaining Hor.
·10	· 6	5/8	A.	L. F. clds. extending from the SW. to the NE. Hor. (by E.): mist like ╲i in the remaining Hor.
·11	· 7	6/8	A.	L. F. clds. from the N. to the SW. (by E): ╲i extending about 50° above in the remaining Hor.
·12	. 8	4/8	A.	L. F. clds, and ╲i scattered throughout.
·13	· 9		D.	∨∩_ in the SE. Hor.
·14	·10		D.	∨∩_ in the SE. Hor.
·15	·11		D.	∨∩_ in the SE. Hor.
·16	·12		D.	∨∩_ in the SE. Hor.
·17	·13	3/8	G.	—i from S. to N. (by E.)
·18	·14	7/8	G.	╲_, —, and ∨∩_ from SE. to N. (by E.); L ╲i and ∨∩ scattered throughout; and thick black haze from NW. to S. (by W.) Hor.
·19	·15	8/8	G.	L. ╲i scattered above; and ∨∩, F. ∩ moving contrary to the direction of the wind below: thick black mist in W. and N. Hor.
·20	·16	8/8	G.	╲i, ╲_i, and F., ∩i scattered; ∩ in the E. and SE. Hor.: thick white mist on the E. hills; and thick black mist in NW. and W. Hor.
·21	·17	8/8	A.	L. F. clds. ╲_, and ╲i: black mist, extending from the N. to the SW. Hor. (by W.)

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D. H.	D. H.			
26·22	26·18	8/8	A.	∩i throughout: black mist, extending from the N. to SW. Hor. (by W.): comoid, and ╲i overhead.
·23	·19	6/8	A.	L. F. clds., ╲_ and ╲i: Zth. clear: black haze in the W. Hor.
27· 0	·20	6/8	A.	L. F. clds., throughout.
· 1	·21	6/8	D.	∩ from N. to S. (by E); ╲i and ╲_i scattered throughout: thick mist in NW., W. and SW. Hor.
· 2	·22	7/8	D.	∩ from N. to S (by E.); ╲i and ╲_i scattered in the E, W., N. and S. ∨∩ in S. and SW.: large masses of ∨∩_ moving slowly from E. to W.: thich mist in the NW., W. and SW. Hor.
· 3	·23	7/8	D.	∩ from N. to S. (by E); ╲i, ╲_i. and ∨∩ scattered; ∨∩_i and F. clds. moving W.: thick mist in NW., W. and SW. Hor.
· 4	27· 0	6/8	D.	∨∩_i from NW. to SW. Hor. (by E): ╲i scattered in the E., W., N. and Zth.: ∨∩ in the SE., S. and SW. Hor.
· 5	· 1	4/8	G.	∨∩_, and F. ∩i scattered throughout.
· 6	· 2	4/8	G.	—, and ∨∩_ scattered in the four directions.
· 7	· 3	3/8	G.	F. ∩ from S. (by W.) to E; and — in the W., N., and NW. Hor.
· 8	· 4	7/8	G.	D. F. clds. moving from NE. to S. (by W.)
· 9	· 5	6/8	A.	L. F. clds. in the Hor., and the four directions.: a large mass containing ∨∩i moving W.
·10	· 6	1/8	A.	L. F. clds. in the Hor.
·11	· 7		A.	Few L. F. clds. scattered in the S., and E. Hor.
·12	· 8		A.	Few L. F. clds. scattered in the S., and E. Hor.
·13	· 9		D.	— in the SE. Hor.
·14	·10		D.	— in the SE. Hor.
·15	·11		D.	Clear.
·16	.12		D.	Clear.
·17	·13		G.	Black clds. of ╲_, and — in the SE. and E. Hor.
·18	.14	3/8	G.	∩ in the SE., E. and NE.; and — from S. (by W.) to N.
·19	·15	2/8	G.	╲_ in the E.: mist on the E. hills; and thick black haze in the W. Hor.
·20	·16		G.	Thick black haze from NW. to SW.
·21	·17	6/8	A.	L. F. clds. in the Hor., except the W. which is occupied by thick black mist: ∨∩i in the Zth. moving W.
·22	·18	2/8	A.	L. F. clds. scattered throughout: black mist extending from the N. to the SW. Hor. (by W.)
·23	·19	2/8	A.	L. F. clds. scattered throughout: black haze in the W. and NW. Hor.
28· 0	·20		A.	L. F. clds. scattered in the Hor. except the W.
· 1	·21	5/8	D.	∩ from N. to SE. (by E.); and F. clds. in the N., NE. and E.
· 2	·22	7/8	D.	∩ from N. to SE. (by E.); and F. clds. scattered throughout.
· 3	·23	7/8	D.	∨∩, and — from NW. to SE. (by E.); ∨∩i, ╲i, and F. clds. scattered throughout.
· 4	28· 0	4/8	D.	—, and ∩ from NW. to SE. (by E.): ∨∩i, and ╲i scattered in the W., SW., S. and SE.
· 5	· 1	4/8	G.	Black — from SE. to NE.; F. ∩ in the S. and SW.; and mist in the W. Hor.
· 6	· 2	2/8	G.	— in the SW., S., SE. and E.; and light mist in W. Hor.
· 7	· 3		G.	╲_ in the E. (by S.) Hor.
· 8	· 4		G.	╲_ in the E.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8	1/8	A.	Blackish clds. in the E. Hor.; F. clds. in the W. Hor.
·13	· 9		D.	F. clds. in the W. Hor.

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D. H.	D. H.			
28·14	28·10		D.	F. clds. in the W. Hor.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	Clear.
·18	·14	1/8	G.	—i in the E. Hor. : L. haze in the remaining part of the Hor.
·19	·15		G.	— in the W. and NW. Hor. : mist on the E. hills.
·20	·16	1/8	G.	╲_, and thick black haze in the W. and NW.; mist in the E. Hor.
·21	·17	1/8	A.	L. F. clds. in the W.; black mist extending from the N. to SW. Hor. (by W).
·22	·18	1/8	A.	L. F clds. in the W., SE. and S: black mist extending from the N. to SW. (by W.) Hor.
·23	·19	2/8	A.	L F. clds. scattered in the Hor., and the four directions.
29· 0	·20	3/8	A.	⌒ extending from the S to the NE. Hor. (by E.): L. F. clds. scattered throughout.
· 1	·21	5/8	D.	⌒ along the NE., E. and SE. Hor.: ╲i, and ╲_i from E. to NW. (by S).
· 2	·22	6/8	D.	⌒ along the NE., E. and SE Hor.: ╲i, and ╲_i scattered throughout.
· 3	·23	6/8	D.	⌒ along the NE., E. and SE. Hor : ╲i, and ╲_i scattered throughout.
30· 4	30· 0	3/8	D.	⌒, and F. ⌒i scattered throughout
· 5	· 1	5/8	G.	╲╱_i, and F. ⌒ scattered.
· 6	· 2	7/8	G.	╲╱_i, and F ⌒ scattered.
· 7	· 3	5/8	G.	╲╱⌒, and F. ⌒ scattered : Zth. clear
· 8	· 4	7/8	G.	F. ⌒ moving from SE. to NW.
· 9	· 5	8/8	A.	╲╱⌒i moving NW.
·10	· 6	6/8	A.	D. F. ⌒i almost ╲╱⌒i moving N.
·11	· 7	8/8	A.	D. F. ⌒i almost ╲╱⌒i moving N.
·12	· 8	8/8	A.	Undefined clouds moving uniformly N.
·13	· 9	7/8	D.	╲╱⌒, and D. F. clds. throughout.
·14	·10	7/8	D.	╲╱⌒, and D. F. clds. throughout.
·15	·11	7/8	D.	╲╱⌒, and D. F. clds. throughout.
·16	·12	3/8	D.	╲╱_, and F. clds. in the Hor.; ╲╱⌒ in the SE.
·17	·13	2/8	G.	╲╱_i in the W., S., SE. and E. Hor.
·18	·14	3/8	G.	╲╱_i in the SE : ╲╱⌒ moving NW.; and —i in the W and NW.
·19	·15	2/8	G.	╲i, ╲⌒i scattered throughout : black haze from NW to SW. Hor ; and mist in E. Hor.
·20	·16	1/8	G.	╲╱⌒, and ╲ in the E. and SE : thick mist in the E. Hor ; and black haze from NW. to SW. Hor.
·21	·17	2/8	A.	Thick black haze, extending from the N. to the SW. Hor. (by W.): L. F. clds. in the remaining Hor.
·22	·18	1/3	A.	Thick black haze, extending from the N to the SW. Hor. (by W.): L. F. clds in the remaining Hor.
·23	·19	1/8	A.	Black mist, extending from the N. to the SW. Hor. (by W.): L. F. clds. in the E and S Hor.
Dec. 1st.				
· 0	·20		A.	Black mist, extending from the N. to the SW. Hor (by W.) L. F. clds. in the E.
· 1	·21		D.	⌒ in the E. and SE. Hor. mist in the Hor.
· 2	·22	1/8	D.	⌒ in the NE., E., and SE. Hor · mist in the Hor.
· 3	·23	1/8	D.	⌒ in the NE., E and SE. Hor · mist in the Hor.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
1· 4	1· 0	1/8	D.	⌒ in the NE., E. and SE. Hor mist in the Hor.
· 5	· 1	1/8	G.	A few masses of L. ⌒ in the E., and mist all round the Hor
· 6	· 2	1/8	G.	Mist all round the Hor.
· 7	. 3		G.	Clear.
1· 8	1· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13	1/8	G.	— in the E. and W. Hor.
·18	·14	2/8	G.	— all round the Hor.
·19	·15	2/8	G.	— all round the Hor ; and mist on the E. hills.
·20	·16	2/8	G.	— all round the Hor.; and mist on the E. hills.
·21	·17		A.	Black haze, extending from the N. to the SW. Hor. (by W.)
·22	·18		A.	Black haze, extending from the N. to the SW. Hor. (by W.)
·23	·19		A.	Black haze, extending from the N. to the SW. Hor. (by W.)
2· 0	·20		A.	Black haze, extending from the N. to the SW. Hor. (by W.)
· 1	·21		D.	Thick haze in the Hor.
· 2	·22		D.	Thick haze in the Hor.
· 3	·23		D.	Thick haze in the Hor.
· 4	2· 0		D.	Thick mist in the Hor.
· 5	· 1		G.	Thick mist in the Hor.
· 6	· 2		G.	— in the W. Hor; and mist on the E. hills.
· 7	· 3		G.	Clear
· 8	· 4		G.	Slight mist in the E. and SE. Hor.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	Clear.
·18	·14		G.	— in the E. Hor
·19	·15	1/8	G.	Thick mist from SE. to NE. Hor ; and black haze from NW. to W. by S.
·20	·16	2/8	G.	Thick mist all round the Hor.
·21	·17	2/8	A.	Thick black mist, extending from the N. to the SW. Hor (by W.): mist in the remaining Hor.
·22	·18	1/8	A.	Thick black mist, extending from the N. to the SW. Hor (by W.)
·23	·19	1/8	A.	Thick black mist, extending from the N. to the SW. Hor. (by W)
3· 0	·20		A.	Black haze, extending from the N. to the SW. Hor. (by W.)
· 1	·21		D.	Mist in the Hor
· 2	·22		D.	Mist in the Hor.
· 3	·23		D.	Mist in the Hor
· 4	3· 0		D.	Mist in the Hor.
· 5	· 1		G.	— in the E. Hor.; and thick mist in the remaining parts of the Hor.
· 6	· 2		G.	Thick mist all round the Hor.
. 7	· 3		G.	Clear.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
3·14	3·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	Clear.
·18	·14	2/8	G.	Thick mist all round the Hor., and on the E. hills.
·19	·15	2/8	G.	Thick mist all round the Hor., and on the E. hills.
·20	·16	1/8	G.	Black — in the W. Hor.; and mist in the E., SE. and NE. Hor.
·21	·17		A.	Thick black mist, extending from the N. to SW. Hor. (by W.)
·22	·18		A.	Thick black mist, extending from the N. to SW. Hor. (by W.)
·23	·19		A.	Black haze, extending from the N. to SW. Hor. (by W.)
4· 0	·20		A.	Haze in the W. Hor.
· 1	·21		D.	Haze in the Hor.
· 2	·22		D.	Haze in the Hor.
· 3	·23		D.	Haze in the Hor.
· 4	4· 0		D.	Haze in the Hor.: ⟍i in the SW. Hor.
· 5	· 1	2/8	G.	⟍i, and ⟍⎽i in the SW., W. and NW; and mist all round Hor.
· 6	· 2	1/8	G.	Slight mist all round the Hor.
· 7	· 3	1/8	G.	—i in the F. and W. Hor.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
.15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	— in the W. and E.
·18	·14	7/4	G.	⟍⎽ in the SW., E. and NW.; and L. ⟍i scattered throughout: thin haze beginning to form on the E. hills.
·19	·15	8/8	G.	⟍⎽ in the E, SE. and NE.; ⋁⌒ in the SW., W and NW.; and faint ⟍i scattered throughout: thick mist all round the Hor.
·20	·16	7/8	G.	F. ⌒, and ⋁⌒ moving conjointly E.; F. ⟍i, and ⟍⎽ in the E. and W.: thick mist in the NE., E, SE. and W. Hor.
·21	·17	7/8	A.	F. ⌒, and ⟍i moving E.: thick black mist extending from the N to the SW. (by W.)
·22	·18	8/8	A.	L. F. clds., ⟍⎽, and ⟍i: thick black mist extending from the N. to the SW. (by W.)
·23	·19	8/8	A.	L. F. clds. ⟍⎽, and ⟍i: thick black mist, extending from the N. to the SW. (by W.)
5· 0	·20	4/8	A.	L. F. clds., and ⟍i in the Hor. and the four directions: black haze in the W. Hor.
· 1	·21	2/8	D.	⟍i, and ⟍⎽i from NW. to SE. (by E): mist in the Hor.: haze throughout.
· 2	·22	2/8	D.	⟍i, and ⟍⎽i from NE. to S. (by E.): mist in the Hor.
· 3	.23	2/8	D.	⟍i, and ⟍⎽i from NE. to S. (by E.): mist in Hor.
6· 4	6· 0	1/8	G.	⟍i, and ⟍⎽i in the E. Hor.
· 5	· 1	2/8	G.	⟍i, and ⟍⎽i in the E.; and mist all round the Hor.
· 6	· 2		G.	Mist all round the Hor.
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.

Bombay. Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
6·13	6· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	Clear.
·18	·14		G.	—, and ⟍⎽ in the SE., and E Hor.
·19	·15		G.	—, and ⟍⎽ in the SE., and E. Hor.; and thick mist all round.
·20	·16		G.	Thick mist all round the Hor.
·21	·17		A.	Thick black mist, extending from the N. to the SW. Hor. (by W.)
·22	·18	7/8	A.	L. F. clds. in the N., W. and SW.: black mist, extending from the N. to the SW. Hor. (by W.): Zth. clear.
·23	·19	2/8	A.	Black mist, extending from the N. to the SW. Hor. (by W.): few L. F. clds. in the S. and NE.
7· 0	·20		A.	Haze in the W. Hor.
· 1	·21		D.	Haze in the Hor.
· 2	·22		D.	Haze in the Hor.
· 3	·23		D.	Haze in the Hor.: ⟍ in the SE. Hor.
· 4	7. 0		D.	Haze in the Hor; ⟍⎽ in the NW. Hor.
· 5	· 1		G.	Thick cirrous mist in the E. Hor.; and ⟍⎽ in the NW. and W. Hor.
· 6	· 2	1/8	G.	Mist in the E., SE. and W. Hor.
· 7	· 3	1/8	G.	Clear.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	Clear.
·18	·14	2/8	G.	A few masses of black ⌒ in the E. Hor; — in the SE.: and ⟍, ⟍⎽ and — in the NW. and W. Hor.
·19	·15	3/8	G.	⟍i, and ⟍⎽i extending from N. (by W.) to S: thick mist in the E. Hor.: and black haze in the W. Hor.
·20	·16	4/8	G.	⟍i, and ⟍⎽i extending from N. (by W.) to S.: thick mist in the E Hor; and black haze in the W. Hor.
·21	·17	7/8	A.	Thick black mist, extending from the N. to the SW. Hor. (by W.): L. F. clds. scattered: clear SW. of Zth.
·22	·18	6/8	A.	Thick black mist, extending from the N. to the SW. Hor. (by W.): L. F. clds. scattered: Zth. clear.
·23	·19	7/8	A.	Thick black mist, extending from the N. to the SW. Hor. (by W.); and ⟍i scattered.
8· 0	·20	6/8	A.	Black mist, extending from the N. to the SW. Hor. (by W.); and ⟍i scattered: ⌒i in the W., S, and SE. Hor.
· 1	·21	6/8	D.	⌒ from NE. to SE. (by E.): ⟍i and ⟍⎽i scattered throughout: — in the NW. and W. Hor.
· 2	·22	4/8	D.	⌒ from N. to SE. (by E.): ⟍i and ⟍⎽i in the NW., W. and Sw.; ⟍i in the E. and NE.; ⋁⎽ in the NW. Hor.: dense fog from NW. to S. (by W.)
· 3	·23	4/8	D.	⌒ from N. to SE. (by E.), ⟍i in the E., SE., W, NW. and N.: ⟍⎽ in NW. and W. Hor.; and dense fog from NW. to S. (by W.)
· 4	8· 0	5/8	D.	⌒, and ⋁⎽ from the NE to SE (by E): ⟍ scattered; ⟍⎽ in the NW. and W. Hor.; and fog from NW. to S. (by W.)
· 5	· 1	4/8	G.	⌒⎽, and ⋁⎽ extending from S. by E. to N. by E.; and ⟍i, and ⟍⎽i from NW. to SW.: clear in the Zth
· 6	· 2	5/8	G.	⌒⎽, and ⋁⎽ extending from S. by E. to N. by E.; a few ⋁⌒ in the S and SW.; and ⟍⎽i extending from W. to N. (by E.)

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D. H.	D. H.			
8· 7	8· 3		G.	∿_ in the E Hor
· 8	· 4		G.	∿_ in the E. Hor.
· 9	· 5	3/8	A.	∿_ like clds. in the Hor., and E. and S.
·10	· 6	8/8	A.	Overcast with ∿_ like clds.
·11	· 7	8/8	A.	Overcast with D. F. clds. almost ∿_ moving very gently NW.
·12	· 8	7/8	A.	F. clds. scattered moving gently W.
·13	· 9	7/8	D.	F. clds. ∿_, and ∿ scattered throughout.
·14	·10	6/8	D.	F. clds. and ∿ scattered throughout.
·15	·11	7/8	D.	F. clds. and ∿ scattered throughout.
·16	·12	5/8	D.	F. clds. and ∿ scattered in the E., W., N. and S. Hor.: Zth. clear.
·17	·13	5/8	G.	\, ∿; and F. ⌒ scattered in the four directions.
·18	·14	5/8	G.	Black ⌒ in the E. Hor.; black — in the W. and NW. Hor.; and \i, and _i scattered in the four directions.
·19	·15	7/8	G.	Black ⌒ in the NW.: — in the W and NW. Hor: \i, and _ scattered throughout; and thick mist in the Hor.
·20	·16	7/8	G.	Thick black mist, extending from S. (by W.) to W. by N. Hor; \i, and _i scattered throughout; and white mist in E. Hor.
·21	·17	8/8	A.	Thick black mist extending, from the N. to the SW. Hor. (by W.): L. F. clds. \i, and _: mist in the remaining Hor.
·22	·18	8/8	A.	Thick black mist extending, from the N to the SW. (by W.): L. F. clds. in the remaining Hor.
·23	·19	6/8	A.	L. F. clds. in the Hor. and the four directions: Zth. clear.
9· 0	·20	7/8	A.	⌒ extending from the N. to the S. Hor. (by E): L. F. clds. in the remaining Hor.: Zth. clear.
· 1	·21	4/8	D.	⌒ from N. to SE. (by E.) Hor.; — in the NW. and W. Hor; \i in the NW., W., S. and SE. Hor; and F. clds. in the S. moving E.
· 2	·22	4/8	D.	⌒ from N. to SE. (by E) Hor.; _ in the NW. and W. Hor.; \i in the E., SE., SW., W. and Zth.; fog in the NW. and W. Hor.
· 3	·23	3/8	D.	⌒, and ⌒_ from N. to SE. (by E.) Hor.; _ in the NW. and W. Hor; \i in the E., S., SW. and NW.
· 4	9· 0	3/8	D.	⌒, ⌒_, and ∿_ from N. to SE. (by E.); _, and — in the NW. and W. Hor.: \i in the SE. and S. Hor.
· 5	· 1	4/8	G.	D. ⌒ in the E. Hor.; _, and F. clds. scattered in the remaining parts of the Hor.
· 6	· 2	3/8	G.	D. ⌒ in the E. Hor.; _, and F. clds. scattered in the four directions.
· 7	· 3		G.	Clear.
· 8	· 4	1/8	G.	— in the E., and W. Hor
· 9	· 5		A.	Overcast in the NW.
·10	· 6		A.	Overcast in the NW., and S. Hor.
·11	· 7		A.	Clear.
·12	· 8	1/8	A.	L. F. clds. extending from the NE to the NW. (by N.)
·13	· 9	1/8	D.	_i, \, and F. clds. in the W., NW. and N. Hor.
·14	·10	1/8	D.	∿ in the E.; and F clds. and ∿ in the NW. and N. Hor
·15	·11	1/8	D.	F. clds. in the SE., E., NW. and W. Hor
·16	·12	1/8	D.	F. clds. along NW. Hor.
·17	·13	6/8	G.	\, and F. ⌒ moving from SW. to NE.: cirrous mist scattered throughout.
·18	·14	8/8	G.	∿_, and black ⌒ in the E. Hor.; F. ⌒ in the W. Hor., thin \i scattered throughout; and thick fog in the W. Hor. moving from NW. to SW.
·19	·15	8/8	G.	Thick fog moving from NW. to SW. Hor.: thick mist extending from SE. to NE. Hor. \i scattered throughout; and a few ∿i in the E
9·20	9·16	7/8	G.	— extending from N. by W. to W. by S; ∿, and \i scattered; and thick mist in the E. Hor.
·21	·17	8/8	A.	Thick black mist extending from the N. to the SW. (by W.): L. F. clds. moving gently NE.
·22	·18	6/8	A.	Thick black mist extending from the N. to the SW. Hor. (by W.): L. F. clds. scattered: Zth. clear.
·23	·19	7/8	A.	Black mist extending from the N. to the SW. by W: F clds. and \i moving very gently NE.
10· 0	·20	6/8	A.	A line of blackish clds. extending from the N. to the W. Hor.: ⌒ extending from the NE. to S. Hor. (by E.): L. F. clds. scattered: Zth. clear
· 1	·21	7/8	D.	\i scattered; ⌒ from N. to SE. (by E): fog in the NW. and W. Hor.
· 2	·22	5/8	D.	\i scattered in E, SE., S., SW., W. and NW; ⌒ from N. to SE. Hor. (by E.): fog in the NW. and W. Hor.
· 3	·23	3/8	D.	\i in the SE., S., W. and NW; ⌒ from N. to SE Hor (b. E): fog in the NW. and W. Hor.
· 4	10· 0	2/8	D.	⌒ from NE to SE. (by E.): \ in the SE.
· 5	· 1	2/8	G.	⌒ extending from SE. to NE.; \i and _i in the SW., W. and NW.
· 6	· 2	1/8	G.	⌒ in the E. and SE.; and _i, \i in the W., SW. and NW. Hor.
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear.
· 9	· 5	1/8	A.	Overcast in the Hor.: lightning in the NE. Hor.
·10	· 6	1/8	A.	Overcast in the Hor.
·11	· 7	1/8	A.	Overcast in the Hor.
·12	· 8	1/8	A.	F. clds. scattered in the Hor.
·13	· 9	3/8	D.	— from SE. to NW. (by E.); and \ and F. clds. from S. to N. (by E.). thick mist in W. and S. Hor.
·14	·10	1/8	D.	—, and F clds. in the NE, E, and SE. Hor.
·15	·11	5/8	D.	∿i scattered in the E., W., N. and S: Zth. clear: — in the NE., E. and SE. Hor.
·16	·12	6/8	D.	∿i scattered in the E., W., N., S. and Zth.: — in the NE., E. and SE. Hor.
·17	·13	5/8	G.	⌒ in the E., and SE.; — in the N. and W; and F. ⌒, ∿ moving from SW. to NE.
·18	·14	3/8	G.	⌒ in the SW; — in the NW. and W.; ∿_ in the E., SE. and NE.; and thin haze on the Sea.
.19	·15	2/8	G.	⌒ in the E. and SE. and NW.: thick mist all round the Hor.
·20	·16	7/8	G.	⌒ in the E. and SW. Hor: thick black mist from NW. to SW. Hor.; and thin mist throughout.
·21	·17	3/8	A.	Thick black mist extending from the N. to the SW. (by W): L. F. clds. in the S. and SE.: mist in the remaining Hor.
·22	·18	3/8	A.	Thick black mist, extending from the N. to the SW. (by W): L. F. clds. scattered in the E. and S. Hor.
·23	·19	2/8	A.	Black mist, extending from the N. to the SW. Hor. (by W.): ⌒ in the E. and S. Hor.
11· 0	·20	4/8	A.	Black haze, extending from the NW. to the W. Hor. ⌒ extending from the N. to the S. Hor. (by E.): L. F. clds. scattered in the four directions.
· 1	·21	3/8	D.	⌒ along the NE., E and SE. Hor.; \i in the E and SE: fog in the NW. and W. Hor.
· 2	·22	2/8	D.	⌒, and ⌒_ the along NE., E. and SE. Hor: fog in the NW. and W. Hor.
· 3	·23	2/8	D.	⌒ and ∿_ along NE., E. and SE. Hor.; and mist in th eremaining Hor.: \i in the SE.
· 4	11· 0	1/8	D.	⌒, and ∿_ along the NE, E. and SE Hor; and thick mist in the remaining H r.
· 5	· 1		G.	∿_, and ⌒ in the SE. and E. Hor.; and slight mist in the W. Hor.
· 6	· 2		G.	∿_, and ⌒ in the SE, and E. Hor; and slight mist in the W. and NW. Hor

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D. H.	D. H.			
11· 7	11· 3		G.	— in the E. Hor.
· 8	· 4		G.	Clear: lightning in the NE. Hor. at 8h. 32m.
· 9	· 5		A.	Clear
·10	· 6		A.	Overcast in the S. Hor.
·11	· 7	1/8	A.	Overcast in the S. and E. Hor.
·12	· 8	3/8	A.	⋁⌒_ like clds. extending from the NE. to the S. by W.
·13	· 9	4/8	D.	⋁⌒_i, and ⋁⌒i from NW. to S. (by E) Hor., and in the Zth.
·14	·10	7/8	D.	⋁⌒_i, and ⋁⌒i scattered throughout.
·15	·11	7/8	D.	⋁⌒_i, and ⋁⌒i scattered throughout.
·16	·12	6/8	D.	⋁⌒; and F. clds. scattered, moving slowly from S. to N., and F. clds. in Hor.
·17	·13	7/8	G.	⋁⌒, and F. ⌒, in scattered masses, moving from SW. to NE.; and — in the W. and E. Hor.
·18	·14	8/8	G.	⋁⌒_ extending from E. to (S by W.); ⌒ in the NW.; — in the W. Hor.: detached masses of F. ⌒ moving from W. (by S.) to NE. below; and thin hazy mist spread above: thick haze on the surrounding Sea.
.19	·15	6/8	G.	⌒, and ⋁⌒_ extending from NE. to S. (by E.); — in the NW. Hor; ⋁⌒, and F. ⌒ in the S. moving NE.: hazy mist on the E. hills; and thick masses of fog moving along the W. Hor. towards SW.
·20	·16	2/8	G.	⌒ in the SE. and E. Hor.; F. ⌒ in the S.; thick mist all round the Hor.; and ╲_i in the E. a little above the Hor.
·21	·17	2/8	A.	L. F. clds. extending from the NE. to the S. (by E.): black haze in the W. and NW. Hor.
·22	.18	6/8	A.	L. F. clds. extending from the NE. to S. Hor. (by E), ⋁⌒i, and F. ⌒i in the Zth. moving gently E.; black mist, extending from the NW. to the SW. Hor. (by W.)
·23	·19	8/8	A.	F. ⌒ in the Hor., except the W. which is occupied by black haze; ⋁⌒i moving gently Ed.
12· 0	·20	4/8	A.	F. ⌒ extending from the NE. to the S. Hor (by E.): ⋁⌒i in the W., NW. and SW.: black haze in the W., NW. Hor.
· 1	·21	5/8	D.	⌒ from NE. to SE. (by E.); ⋁⌒ scattered throughout; ╲i in the SW. and Zth: fog in the NW. and W. Hor.
· 2	·22	2/8	D.	⌒ from NE. to SE. (by E.); ⋁⌒_ like cloud in the NW: fog in the NW. and W. Hor.
· 3	·23	2/8	D.	⌒ from NE. to SE. (by E.): dense mist all round the Hor.
13· 4	13· 0	1/8	G.	⌒ in the E. Hor., and ╲, ╲_ in the remaining part of the Hor.
· 5	· 1		G.	⌒ in the E., and W. Hor: ╲, and — in the remaining part of the Hor.
· 6	· 2		G.	— in the Hor.
· 7	3		G.	Clear.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	⋁⌒_ like clds. in the S. Hor.
·12	· 8		A.	⋁⌒_ like clds. in the S. Hor and NE. Hor
.13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11	1/8	D.	⋁⌒_i, and ⋁⌒ in the SE. Hor.
·16	·12	1/8	D.	⋁⌒_i, and ⋁⌒ in the SE., E. and NE. Hor.; and ⋁⌒i in the N. and E. of Zth.
·17	·13	6/8	G.	Detached masses of F. ⌒i moving from SW. to NE.
·18	·14	7/8	G.	⋁⌒_i scattered in the four directions: a few F. ⌒ moving from SW. to NN.; and — in the E. Hor.
·19	·15	7/8	G.	⋁⌒_i, ⋁⌒i and F. ⌒i moving from S. to N.; and thin haze all round the Hor.
·20	·16	7/8	G.	⋁⌒_i, ⋁⌒i and F. ⌒i moving from SE. to NW.; and thin haze all round the Hor.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
13·21	13·17	4/8	A.	L. F. clds. scattered in the Hor., and the four directions: F. ⌒i in the Zth. moving gently E.
·22	·18	6/8	A.	L. F. clds. scattered in the Hor., and the four directions: ⋁⌒i in the Zth. moving gently E.
.23	·19	3/8	A.	L. F. clds. scattered in the Hor., and the four directions.
14· 0	·20	4/8	A.	L. F. clds. scattered in the Hor., and the four directions.
· 1	·21	4/8	D.	⌒ in the NE., E. and SE. Hor: ⋁⌒ scattered throughout: — in the NE and NW. Hor.
· 2	·22	1/8	D.	⌒ in the NE., E. and SE. Hor., ⋁⌒ in the NE Hor; and ╲_, and — in the NW. Hor.
· 3	·23	1/8	D.	⌒ in the NE., E. and SE. Hor.: — in the NW. Hor.
· 4	14· 0	1/8	D.	⌒ in the NE, E. and SE. Hor: — in the NW. and W. Hor.
· 5	· 1	1/8	G.	⌒ along the E. Hor.; —i in the W. Hor.
· 6	· 2		G.	—i in the E. and W. Hor.
· 7	· 3		G.	Clear.
· 8	· 4		G.	— in the W. and E.
· 9	· 5	3/8	A.	⋁⌒_ like clds. scattered: Zth. clear.
·10	· 6	2/8	A.	⋁⌒_ like clds. scattered in the W. NW. and SW. Hor.
·11	· 7	2/8	A.	⋁⌒_ like clds. scattered.
·12	· 8	4/8	A.	⋁⌒_ in masses moving gently SE.
·13	· 9	6/8	D.	⋁⌒_i throughout.
·14	·10	3/8	D.	⋁⌒_i scattered throughout.
·15	·11	5/8	D.	⋁⌒_i scattered throughout.
·16	·12	4/8	D.	— in the Hor.: ╲_ scattered throughout.
·17	·13	7/8	G.	— in the Hor: ╲_ scattered throughout.
·18	·14	8/8	G.	⋁⌒_i extending from NE. to SE.; ╲, ⋁⌒ and F. ⌒ moving from SE. to NW.; and —i in the E. Hor.
·19	·15	6/8	G.	⋁⌒_i scattered throughout: thick mist prevailed at 19h. 5m.
·20	·16	8/8	G.	⋁⌒_, ⋁⌒, ╲; and F. ⌒ scattered: — in the NW. and W. Hor.: thick mist in the E.
·21	·17	8/8	A.	L. F. clds. moving gently NE: black mist extending from the N. to the SW. (by W.); F. ⌒i in the remaining Hor. and the four directions.
·22	·18	8/8	A.	L. F. clds. overhead moving gently Ed: black mist extending from the N. to the SW. (by W.): F. clds. in the remaining Hor., and the four directions.
·23	.19	8/8	A.	L. F. clds. moving gently SE. from all directions: black mist extending from the N. to the SW. (by W.).
15· 0	·20	8/8	A.	F. clds. in the Hor., and the four directions: black haze extending from the N. to the SW. Hor. (by W.): L. F. clds. below moving SE.: ╲i scattered above.
· 1	·21	6/8	D.	F. clds. in the Hor.; ⌒ in the NE., E. and SE. Hor. below the F. clds: ⋁⌒ in the NW.; and ╲i and ╲_i scattered in the E., W., N. and S.
· 2	·22	8/8	D.	F. clds. in the Hor.: ⌒ in the NE., E. and SE. Hor. below: F. clds, ╲i and ╲_i scattered throughout.
· 3	·23	7/8	D.	F. clds. in the Hor.; ⌒ in the NE., E. and SE. Hor. below; F. clds, ╲i, ⋁⌒, and ╲_ scattered throughout.
· 4	15· 0	6/8	D.	F. clds. in the Hor.; ╲i, ⋁⌒ and ╲_ scattered in the E., W., N. and S.: Zth. clear.
· 5	· 1	8/8	G.	╲, ╲_, ⋁⌒ and — throughout.
· 6	· 2	7/8	G.	— all round the Hor.; ╲, ╲_, ⋁⌒ and F. ⌒ scattered in the other parts of the sky.
· 7	· 3	4/8	G.	╲_, and — throughout except the Zth, which is clear.
· 8	· 4	4/8	G.	— all round the Hor.; and a few F. ⌒ in the W.
· 9	· 5	2/8	A.	⋁⌒_ like clds. scattered in the Hor.
·10	· 6	3/8	A.	⋁⌒_ like clds. scattered throughout.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
15·11	15· 7	1/8	A.	╲⌒_ like clds scattered in the Hor.
·12	· 8		A.	╲⌒_ like clds. scattered in the E. Hor.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	Clear.
·18	·14	2/8	G.	— all round the Hor.
·19	·15	2/8	G.	⌒ in the SW. and W., a little above the Hor.; thick mist in the E. and SE.; and thick black mist in the W. and NW. Hor.
·20	·16	2/8	G.	F. ⌒ in the S., W. and NW., a little above the Hor.; thick mist in the E. and SE. Hor.; and thick black mist in the W. and NW. Hor.
·21	·17	6/8	A.	L. F. clds. scattered throughout thick black mist extending from the SW. to the N. Hor. (by W.)
·22	·18	7/8	A.	L. F. clds. scattered moving gently NE.: black mist extending from the N. to the SW. Hor. (by W.): the remaining Hor. clear.
·23	·19	4/8	A.	L. F. clds. scattered moving gently NE.; black mist extending from the N. to the SW. Hor. (by W.).
16· 0	·20	2/8	A.	L. F. clds. scattered in the W., N. and S.; black mist extending from the N. to the SW. (by W.) and from the NE. to the S. Hor. (by E).
· 1	·21	2/8	D.	⌒ in the E. and SE. Hor.: ╲_ in the W., NW. and N. Hor.
· 2	.22	2/6	D.	⌒ in the E. and SE. and NE. Hor.: ╲_ in the W., NW. and N. Hor.
· 3	·23	2/8	D.	⌒ in the E. and SE. and NE. Hor.; ╲_i and ╲⌒ in the SW., W., NW. and N, Hor.
· 4	16· 0	7/8	D.	╲⌒i scattered throughout : ⌒ in the NE., E. and SE. Hor.
· 5	· 1	7/8	G.	Patches of ╲⌒ gently moving from S. to N ; ⌒ in the E. Hor : a few F. ⌒i in the W.; and ╲_i in the NW.
· 6	· 2	7/8	G.	Patches of ╲⌒; and F. ⌒ moving from S. to N.; and — in the W., E. and NW. Hor.
· 7	· 3	3/8	G.	— scattered throughout; and thin cirrous haze in the Zth.
· 8	· 4	1/8	G.	— scattered in the W. and NW.
· 9	· 5	1/8	A.	Overcast in the Hor.
·10	· 6	1/8	A.	Overcast in the Hor.
·11	· 7	3/8	A.	╲⌒_ like clds. scattered throughout.
·12	· 8	4/8	A.	╲⌒_i scattered moving gently SE.
·13	· 9	1/8	D.	╲⌒_i scattered in the E , W., N. and S.: Zth. clear.
·14	·10	3/8	D.	╲⌒_ scattered in the E., W., N. and S : Zth. clear.
·15	·11	2/8	D.	╲⌒_ scattered in the E., W., N. and S.: Zth. clear.
·16	·12		D.	Clear.
·17	·13	1/8	G.	— in the E. and S. ; and cirrous mist in the W.
·18	·14	4/8	G.	╲⌒_i in the W. Hor.; — in the remaining part of the Hor.: F. ⌒ and ╲⌒ moving from SE to N. by W.
·19	·15	6/8	G.	⌒ in the W. and E.: ╲, ╲⌒ and F. ⌒ scattered throughout : black — along the W. Hor.; and thick mist in the E. Hor
·20	·16	7/8	G.	⌒ in the W., W. by N. and E. a little above the Hor.: ╲⌒, and F. ⌒ scattered throughout : and thick mist all round the Hor.
·21	·17	8/8	A.	Thick black mist extending from the N. to the SW. by W.: mist in the remaining Hor . L. F clds. scattered moving E.
·22	·18	5/8	A.	Thick black mist extending from the N. to the SW. (by W.: mist in the remaining Hor.: L. F. clds. scattered moving E.
·23	·19	4/8	A.	Black mist extending from the N. to the SW. (by W.): L. F. clds. scattered throughout.
17· 0	·20	3/8	A.	Black haze extending from the N. to the SW by W F. clds extending from the S. to the N Hor by E : L. F. clds scattered throughout
17· 1	16·21	7/8	D.	╲i scattered throughout : ╲⌒ in the NE., E., SE., S. SW. and W. Hor.: ⌒ in the NE., E. and SE. Hor.: below ╲⌒.
· 2	·22	5/8	D.	╲i scattered throughout : ╲⌒ in the NE , E., SE., S., SW. and W. Hor.: ⌒ in the NE., E. and SE Hor.: below ╲⌒.
· 3	·23	6/8	D.	╲i scattered in the N., E. and S.; ╲_ in the W. and SW.; ╲⌒ in the E. and SE. Hor.: ⌒ in the E. and SE. Hor. below ╲⌒.
· 4	17· 0	8/8	D.	⌒i, and F. ⌒ in the E. and SE. Hor.; ╲i and ╲_i scattered throughout.
· 5	· 1	6/8	G.	⌒ in the E. Hor. ; ╲_ scattered throughout ; clear in the Zth.
· 6	· 2	4/8	G.	╲i, ╲_i, and — scattered throughout ; and thin cirrous mist in the Zth.
· 7	· 3	2/8	G.	— all round the Hor.
· 8	. 4		G.	Clear.
· 9	· 5	1/8	A.	Overcast in the Hor.
·10	· 6	3/8	A.	╲⌒_ like clouds scattered throughout.
·11	· 7	4/8	A.	╲⌒_ like clouds scattered : Zth. clear.
·12	· 8	6/8	A.	╲⌒_i scattered throughout, moving gently SE.
·13	· 9	2/8	D.	╲⌒_i scattered in the E., W., N. and S.: Zth. clear.
·14	·10	4/8	D.	╲⌒_i scattered throughout,
·15	·11	7/8	D.	╲⌒_i scattered throughout,
·16	·12	7/8	D.	╲⌒_i scattered throughout.
·17	·13	6/8	G.	╲⌒_i scattered in the S., W., and N., and in the E. Hor.
·18	·14	4/8	G.	⌒ in the W. and S.: ╲⌒_ in the E., SE. and S.: — in the W. and E. in streaks.
·19	·15	6/8	G.	⌒ in the W.; and F. ⌒ in the E. and SE ; thick mist in the E. Hor.: black haze extending SW. from NW.; and L. ╲i scattered throughout.
·20	·16	2/8	G.	⌒ in the E.: ╲⌒ in the S. gently moving towards the N ; thick black haze extending from NW. to S. (by W.) Hor.; and white mist in E.
·21	·17	2/8	A.	L. F. clds. in the E. SE. and NE. Hor.: thick black mist extending from the N. to the SW. Hor. (by W.).
·22	·18	3/8	A.	L. F. clds. in the E., SE.: Hor. mist extending from the N. to the SW. Hor. (by W.).
·23	·19	2/8	A.	L. F. clds. in the E , SE.; Hor. mist extending from the N. to the SW Hor. (by W.).
18· 0	·20	1/8	A.	L. F. ⌒ scattered in the E., SE. and NE. Hor : haze extending from the N. to the SW. (by W.).
· 1	·21	1/8	D.	F. ⌒ in the NE , E. and SE. Hor.: fog in the NW. Hor.; mist in the Hor.
· 2	·22	1/8	D.	F. ⌒ in the NE , E. and SE. Hor : fog in the NW. Hor.: mist in the Hor.
· 3	·23	1/8	D.	F. ⌒ in the NE., E. and SE. Hor : mist in the Hor.
· 4	18· 0	1/8	D.	⌒ in the NE , E. and SE. Hor.: mist in the remaining Hor.
· 5	· 1	1/8	G.	⌒ in the E. Hor ; ╲⌒ in W. and N.; and mist all round the Hor.
· 6	· 2	1/8	G.	— in the E. in streaks ; ╲⌒ in the N., and mist all round the Hor.
· 7	· 3		G.	— in the E. Hor.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Overcast in the S. Hor.
·10	· 6	6/8	A.	╲⌒i : Zth. clear.
·11	· 7	7/8	A.	D. F. ⌒ almost ╲⌒_i, scattered throughout, moving gently N.
·12	· 8	7/8	A.	D. F. clds. almost ╲⌒_, scattered throughout.
·13	· 9	7/8	D.	╲⌒_i throughout.
·14	·10	1/8	D.	╲⌒_i in the NW. and N
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13	2/8	G.	— all round the Hor.

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Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
18·18	18·14	3/8	G.	∿i in the E. Hor : and — in the other parts of the Hor.
·19	·15	2/8	G.	⌒ in the E. Hor.; — in the W. and NW. Hor.: thin mist on the E. hills; and L. haze moving along the W. Hor, towards SW.
·20	·16	3/8	G.	⌒ in the E. Hor.; — in the W. and NW. Hor.; ∿ in the SE; and thin mist on the hills.
·21	·17	7/8	A.	L. F. clds. scattered in the Hor.; black mist, extending from the N. to the SW. Hor. (by W.): cymoid (imperfect ∿i) moving gently NE.: cymoid became ∿i 20m after the observation.
·22	·18	8/8	A.	L. F. clds. scattered in the Hor.; black haze in the W. and NW. Hor.: ∿i moving gently NE.
·23	·19	6/8	A.	L. F. clds. in the Hor., and the four directions: black haze in the W. and NW. Hor.
19· 0	·20	6/8	A.	L. F. clds. scattered in the Hor.; ∿i in the S., SE., SW., E. and Zth. moving gently NW.
· 1	·21	7/8	D.	∿i throughout: F. ⌒ in the E. and SE. Hor.
· 2	.22	7/8	D.	∿i throughout: F. ⌒ in the E. and SE. Hor.
· 3	·23	7/8	D.	∿i throughout: F. ⌒ in the E. and SE. Hor.
20· 4	20· 0		G.	Clear.
· 5	· 1	1/8	G.	Thick mist all round the Hor.
· 6	· 2	1/8	G.	Thick mist all round the Hor.
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear.
· 8	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	— in E. and SE. Hor.
·18	·14	1/8	G.	Fog all round the Hor.
.19	·15	2/3	G.	Thick mist all round the Hor.
·20	·16	3/8	G.	Thick mist all round the Hor.
·21	·17	1/8	A.	Thick mist extending from the N. to the SW. (by W.) Hor; white mist in the remaining Hor.
·22	·18		A.	Mist extending from the N. to the SW Hor. (by W.) and on the E. hills.
·23	·19	2/3	A.	Mist extending from the N. to the SW. Hor. (by W.): L F. clds. in the S.
21· 0	·20		A.	Haze in the W. and NW. Hor.
· 1	·21		D.	F. ⌒ in the SE. Hor.: mist in the other parts of the Hor.
· 2	·22		D.	F. ⌒ in the SE. Hor.: mist in the other parts of the Hor.
· 3	·23		D.	D. mist in the Hor.
· 4	21· 0		D.	D. mist in the Hor.
· 5	· 1		G.	D. mist all round the Hor.
· 6	· 2		G.	D. mist all round the Hor
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13	1/8	G.	— all round the Hor.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
21·18	21·14	2/8	G.	Thick mist all round the Hor
·19	·15	4/8	G.	Thick mist all round the Hor., and thin haze in the Zth.
·20	·16	3/8	G.	Thick mist all round the Hor.; and thin haze in the Zth.
·21	·17	2/8	A.	Thick black mist exiendiug from the N. to the SW. Hor. (by W.)· mist on the E. hills.
·22	·18	1/8	A.	Thick black mist extending from the N. to the SW. Hor. (by W.): mist on the E. hills.
·23	·19		A.	Thick black mist extdnding from the N. to the SW Hor. (by W.)
22· 0	·20		A.	Haze in the W. and NW. Hor.
· 1	·21		D.	Mist in the Hor.
· 2	·22		D.	Mist in the Hor.
· 3	·23		D.	Mist in the Hor.
. 4	22· 0		D.	Mist in the Hor.
· 5	· 1		G.	Thick mist all round the Hor.
· 6	· 2	2/8	G.	Thick mist all round the Hor.
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	— in the E., SE. and NW. Hor.
·18	·14		G.	— all round the Hor.
·19	·15		G.	Thin mist all round the Hor.
·20	·16		G.	Thick black haze in the W., and NW. Hor.; and mist on the E. hills.
·21	·17	1/8	A.	Thick mist extending from the N. to the SW. (by W.): mist on the E. hills.
·22	·18	1/8	A.	Thick black mist extending from the N. to the SW. Hor. (by W.).
·23	·19		A.	Black haze extending from the N. to the SW. Hor. (by W.).
23· 0	·20		A.	Black haze extending from the N. to the SW. Hor. (by W.).
· 1	·21		D.	Mist in the Hor.
· 2	·22		D.	Mist in the Hor.
· 3	·23		D.	Mist in the Hor.
· 4	23· 0		D.	Mist in the Hor.
· 5	· 1		G.	Mist in the Hor.
· 6	· 2		G.	Mist in the Hor.
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	— in the Hor.
·18	·14		G.	Clear.
·19	·15		G.	Clear.
·20	·16		G.	Clear.
·21	·17	1/8	A.	Thick black mist extending from the N. to the SW. Hor. (by W.): mist on the Eastern hills.
·22	·18	1/8	A.	Black mist extending from the N. to the SW. Hor. (by W.).

DECEMBER, 1846.

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
23·23	23·19	1/8	A.	Black haze extending from the N. to the SW. Hor. (by W.): L. ⌒ in the S. Hor.
24· 0	·20	2/8	A.	Black haze in the W., SW., and NW. Hor.: L. ⌒ in the E. and S. Hor.
· 1	·21		D.	L. F. clds. in the E. and SE. Hor.: mist throughout the Hor.
· 2	·22		D.	L. F. clds. in the E. and SE. Hor: mist throughout the Hor.
· 3	·23		D.	L. F. clds. in the SE. Hor.: mist throughout the Hor.
· 4	24· 0		D.	L. F. clds. in the SE. Hor.: mist throughout the Hor.
· 5	· 1		G.	Clear.
· 6	· 2		G.	Clear
· 7	· 3		G.	Clear.
· 8	. 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	— in the S. Hor.
.18	·14	2/8	G.	—, and ⌞ along the E. Hor.; and thin mist in the other parts of the Hor.
·19	·15	3/8	G.	╲, and ⌞ along the E. Hor: — in the W. and NW. Hor.; thick mist in the other parts of the Hor.
·20	·16	1/8	G.	— in the W. and NW. Hor.; and thick mist in the other parts of the Hor.
·21	·17	1/8	A.	Black mist extending from the N. to the SW. Hor. (by W.): L. F. clds. in the S. Hor.
·22	·18	1/8	A.	Black mist extending from the N. to the SW. Hor. (by W): L. F. clds. in the S. Hor.
·23	·19	1/8	A.	Black mist extending from the N. to the SW. Hor. (by W.): L. F. clds. in the E. and S. Hor.
25· 0	·20	1/8	A.	Black mist extending from the N. to the SW. Hor. (by W.): L. F. clds. in the E. and S. Hor.
· 1	·21		D.	⌞ in the SE. Hor.: mist throughout the Hor.: fog in the NW. Hor.
· 2	·22		D.	⌞ in the SE. Hor.: mist throughout the Hor.: fog in the NW. Hor.
· 3	·23		D.	⌞, and fog in the SE. Hor: mist throughout
· 4	25· 0		D.	⌞, and fog in the SE. Hor. mist in the Hor.
· 5	· 1		G.	⌞ in the SE. Hor.; and thick mist all round the Hor.
6	· 2		G.	Thick mist all round the Hor
· 7	· 3		G.	Thick mist in the SE. Hor
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	— in the E and SE. Hor
·18	·14	2/8	G.	— in the E. Hor.; and thick black haze in the W and NW: Hor
·19	·15	2/8	G.	Thick mist in the Hor.
·20	·16	2/8	G.	— in the W. and NW. Hor., and thick mist in the other parts of the Hor

Bombay Mean Time.	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
25·21	25·17	1/8	A.	Thick black mist extending from N. to the SW. Hor. (by W): mist on the Eastern hills.
·22	·18	1/8	A.	Thick black mist extending from the N. to the SW. Hor (by W): mist on the Eastern hills.
·23	·19		A.	Thick black mist extending from the N. to the SW. Hor. (by W.)
26· 0	·20		A.	Thick black mist extending from the N. to the SW. Hor. (by W.)
· 1	·21		D.	Fog in the NW. Hor.: mist throughout the Hor.
· 2	·22		D.	Dense mist in the Hor.
· 3	·23		D.	Dense mist in the Hor.
27· 4	27· 0	1/8	G.	— in the E. and SE. Hor.; and thin mist in the other parts of the Hor.
· 5	· 1	1/8	G.	Mist in the Hor.
· 6	· 2	1/8	G.	Mist in the Hor.
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	— in the E. and SE. Hor.
·18	·14	2/8	G.	Thick mist in the Hor.
·19	·15	2/8	G.	Thick mist in the Hor.
·20	·16	2/8	G.	Thick mist in the Hor
·21	·17	2/8	A.	Black mist extending from the N. to the SW. Hor. (by W.): mist in the remaining Hor.
·22	·18	1/8	A.	Black mist extending from the N. to the SW. Hor. (by W.): mist in the remaining Hor..
·23	·19	1/8	A.	Black mist extending from the N. to the SW. Hor. (by W.): mist on the E. hills.
28· 0	·20		A.	Black mist extending from the N. to the SW. Hor. (by W.).
· 1	·21		D.	Mist in the Hor.
· 2	·22		D.	Mist in the Hor.
· 3	·23		D.	Mist in the Hor.
· 4	28· 0		D.	Mist in the Hor
· 5	· 1		G.	Mist in the Hor.
· 6	· 2		G.	Mist in the Hor
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear
· 9	· 5		A.	Clear
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear
·17	·13		G.	— in the Hor
·18	.14		G.	— in the Hor
·19	·15		G.	— in W. the Hor., ⌒ in the SE and E. Hor., and thick mist in the other parts of the Hor
·20	·16		G.	⌞ in the NW and W. Hor: ⌒ in the SE Hor.; fog in NW. W. and SW. Hor.; and thick mist in the remaining Hor.
·21	17	1/8	A.	Thick black mist extending from the N. to the SW. Hor. (by W.): L. F ⌒ in the S and NW. mist in the remaining Hor

DECEMBER, 1846.

Bombay Mean Time	Gottingen Mean Time.	Extent of Cloudy Sky.	Observer.	State of the Weather.
D. H.	D. H.			
28·22	28·18	2/8	A.	Thick black mist extending from the N. to the SW. Hor. (by W.): L. F. clds. in the NW. and S. Hor.: mist on E. hills.
·23	·19	2/8	A.	Black mist extending from the N. to the SW. Hor. (by W.): L. F. clds. in the NW, and S. Hor.: mist on E. hills.
29· 0	·20	4/8	A.	Black mist extending from the N. to the SW. Hor.: cymoid in the SW. and S.: L. F. clds. scattered overhead and in the Hor.
· 1	·21	5/8	D.	∖i, and ∖_i scattered throughout: thick mist in the Hor.
· 2	·22	1/8	D.	∖i, and ∖_i scattered throughout: thick mist in the Hor.
· 3	·23	1/8	D.	∖i, and ∖_i scattered throughout . thick mist in the Hor.
· 4	29· 0	7/8	D.	∖i scattered throughout : thick mist in the Hor.
· 5	· 1	7/8	G.	∖i in the SE., S. and SW ; and mist in the Hor.
· 6	· 2	6/8	G.	Mist in the Hor.
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	— in the E. and SE. Hor.
·18	·14		G.	— in the Hor.
·19	·15		G.	— in the Hor.
·20	·16		G.	— in the Hor.
·21	·17		A.	— in the Hor.
·22	·18		A.	— in the Hor.
·23	·19		A.	Black haze extending from the N. to the SW. Hor. (by W.)
30· 0	·20		A.	Black haze extending from the N. to the SW. Hor. (by W.)
· 1	·21		D.	Mist in the Hor.
· 2	·22		D.	Mist in the Hor.
· 3	·23		D.	Mist in the Hor.
· 4	30· 0		D.	Mist in the Hor.
· 5	· 1		G.	Mist in the Hor.
· 6	· 2		G.	Clear.
· 7	. 3		G.	Clear.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
30·12	30· 8		A.	Clear.
13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	— in the Hor.
·18	·14		G.	— in the Hor.
·19	·15		G.	Mist in the Hor.
·20	·16		G.	Mist in the Hor.
·21	·17		A.	Black mist extending from the N. to the SW. Hor. (by W.): mist on the Eastern hills.
·22	·18		A.	Black mist extending from the N. to the SW. Hor. (by W.): mist on the Eastern hills.
·23	·19		A.	Black mist extending from the N. to the SW. Hor. (by W.).
31· 0	·20		A.	Haze in the W. and SW. Hor
· 1	·21		D.	Haze in the Hor.
· 2	·22		D.	Haze in the Hor.
· 3	·23		D.	Haze in the Hor.
· 4	31· 0		D.	Mist in the Hor.
· 5	· 1		G.	Mist in the Hor.
· 6	· 2		G.	Mist in the Hor.
· 7	· 3		G.	Clear.
· 8	· 4		G.	Clear.
· 9	· 5		A.	Clear.
·10	· 6		A.	Clear.
·11	· 7		A.	Clear.
·12	· 8		A.	Clear.
·13	· 9		D.	Clear.
·14	·10		D.	Clear.
·15	·11		D.	Clear.
·16	·12		D.	Clear.
·17	·13		G.	Clear.
·18	·14		G.	— in the E. and SE. Hor.
·19	·15		G.	Thick mist in the Hor.
·20	·16		G.	Fog along the NW., and W. Hor.; and thick haze in the remaining Hor.
.21	·17		A.	Thick black haze extending from the N. to the SW. Hor. (by W.): L. F. clds. in the S.: Haze on the E. hills.
·22	·18		A.	Thick black haze extending from the N. to the SW. Hor. (by W.).
·23	·19		A.	Black haze in the W. and NW. Hor.
JAN. 1st · 0	·20		A.	Black haze in the W. and NW. Hor.: L. F. clds in the S. Hor.
· 1	·21		D.	∖i in the SE. Hor.; and mist in the remaining Hor.
· 2	·22		D.	L. ∖_ in the SE. Hor ; and mist in the remaining Hor.
· 3	·23		D.	— in the NW.; ∖_i in the E. by S.; and mist in the Hor.

PERIODICAL OBSERVATIONS OF METEORS.

Date.	Time of Appearance.		Direction.		Number.	Magnitude.	Time of Flight.	Remarks.
	Gottingen.	Bombay.	From	To				
	H. M.	H. M.						
November 8th	6·30	10·42	SE.	E.	..	4	..	Movement diagonal, leaving a pencil of light.
.. 9th	10·00	14·12	SE.	..	..	3	..	Falling perpendicularly.
.. 10th	7·45	11·57	SW.	..	..	1	1^s	Very bright, left no train of light.
.. 11th	6 00	10·12	W.	SW.	..	1	..	Very bright, left no train of light.
.. ..	6·21	10·33	NW.	NE.	..	1	2^s	Very bright, left no train of light.
.. ..	6·45	10·57	SW.	N.	..	1	..	Very bright, left no train of light.
.. 12th	7·38	11·50	N.	E.	3	3	1^s	Moved parallel with one another.
.. 13th	6·41	10·53	NE.	N.	2	3	..	
.. ..	6·48	11·00	N.	E.	..	5	..	
.. ..	7·40	11·52	Z$^{th.}$	N.	..	1	1^s	Left a train of light.
.. ..	9·31	13·43	SW.	W.	..	3	1^s	
.. ..	9 35	13 47	NW.	E.	2	4	1^s	
.. ..	9·40	13·52	S.	SE.	..	2	1^s	
.. ..	12·26	16·38	NW.	E.	..	4	0·5	
.. ..	12·47	16·59	Z$^{th.}$	N.	..	3	1^s	Movement diagonal.
.. ..	12·48	17·00	N.	NE.	..	3	1^s	Movement diagonal.
.. 15th	2·40	6·52	NW.	W.	..	3	1^s·5	Falling perpendicularly.
.. 18th	6·55	11· 7	W.	E.	..	2	1^s·2	

A very remarkable Meteor was observed by Karu Luximon, the 2nd Assistant, whilst walking on the Sea shore, about 300 yards distant from the Observatory, a short time before day break (16h. 45m. B. M. T.) on the morning of the 7th December, 1846. Having his eyes fixed on the ground he suddenly had the sensation of a flash of very vivid lightning, although at the time the moon was bright enough to dull any ordinary bright and sudden light. He looked up in the direction whence the flash seemed to come, and saw a Meteor, like a star of the 4th Magnitude, passing in a horizontal line towards the North : behind it at an interval of about 10° there was a band of light the breadth of which was about $^1/_6$ of the moon's diameter or about 5′, and its length about 5°. The maximum brightness was in that part of the band nearest to the Meteor, and about $^1/_5$ of its whole length from the extremity : the band faded gradually away from each end towards its centre so that it had much the appearance of a comet.

The maximum brightness he estimated at ten times that of Jupiter's. The Meteor disappeared in two seconds nearly 15° from the brightest part of the band ; but the band remained for the of space 10 seconds after he first saw it, without altering its position, although diminishing in brightness : the brightest part of the band was about 5° in a vertical line below the star Sirius.

The tail of a Meteor has been supposed to be a mere optical delusion, the light of the Meteor combining with its rapid motion, like the electric spark in the case of lightning, leaves a continuous impression upon the eye. This is however fully disapproved in the present case—For the Meteor was quite detached from the tail. Secondly, the band was stationary during the time of its appearance. Thirdly, he moved his eyes repeatedly to different parts of the heavens, and saw nothing of the band, until he again directed his eyes in the direction where he first saw it, and then it was just in the same position as before.

Many other persons witnessed the same phenomenon on the Island of Colaba.

BOMBAY, 1846.

TIDAL OBSERVATIONS.

HEIGHT OF THE TIDE *(in Feet) as taken from the Self-registering Tide Gauge.*

	Bombay Mean Time.	Noon.		1h·	30m.	2h·	30m.	3h·	30m.	4h·	30m.	5h·	30m.	6h·	30m.	7h·	30m	8h·	30m.	9h·	30m.	10h·	30m.	11h·	30m.
		0h.	30m.																						
JANUARY, 1846.	1	3·3	4·4	5·3	5·7	5·6	5·1	4·0	2·5	0·8	-1·0	-2·7	-4·3	-5·5	-6·5	-7·1	-7·3	-7·0	-6·5	-5·5	-4·4	-2·8	-1·4	0·1	1·8
	2	0·3	1·7	3·0	4·2	4·7	5·2	5·2	4·5	3·6	2·3	0·7	-0·7	-2·3	-3·4	-4·3	-4·9	-5·4	-5·4	-5·3	-4·6	-3·8	-2·8	-1·7	-0·5
	3	-2·3	-1·2	0·2	1·4	2·5	3.5	3·9	4·3	4·2	3·5	2·7	1·7	0·4	-0·7	-1·7	-2·5	-3·2	-3·6	-4·0	-3·8	-3·6	-3·3	-2·6	-1·8
	4	-4·2	-3·4	-2·5	-1·5	-0·3	0·8	1·8	2·6	3·3	3·4	3·4	3·0	2·5	1·8	0·8	0·1	-0·7	-1·3	-1·8	-2·3	-2·5	-2·4	-2·3	-2·0
	5	-4·6	-4·4	-4·0	-3·3	-2·4	-1·5	-0·5	0·4	1·2	1·9	2·4	2·7	3·0	3·1	2·7	2·4	1·7	1·2	0·6	0·0	-0·5	-0·9	-1·3	-1·4
	6	-4·4	-4·5	-4·4	-4·3	-3·8	-3·1	-2·3	-1·4	-0·5	0·3	1·0	1·7	2·3	2·7	2·9	3·1	2·9	2·6	2·3	1·7	1·3	0·7	0·3	-0·3
	7	-4·0	-4·3	-4·5	-4·6	-4·4	-4·2	-3·8	-3·2	-2·6	-1·8	-0·9	0·0	0·8	1·5	2·1	2·7	3·3	3·5	3·5	3·3	2·7	2·2	1·5	0·8
	8	-2·7	-3·3	-3·9	-4·3	-4·8	-4·9	-4·8	-4·7	-4·1	-3·3	-2·5	-1·5	-0·7	0·3	1·3	2·1	2·8	3·5	3·8	4·1	4·0	3·7	3·3	2·5
	9	-1·4	-2·4	-3·3	-4·1	-4·7	-5·1	-5·4	-5·3	-5·0	-4·6	-3·9	-3·0	-2·1	-1·2	-0·2	0·8	2·0	2·9	3·6	4·2	4·5	4·5	4·3	3·7
	10	-0·2	-1·2	-2·3	-3·4	-4·4	-5·1	-5·7	-6·0	-6·0	-5·7	-5·1	-4·3	-3·7	-2·7	-1·7	-0·7	0·5	1·7	2·9	3·8	4·4	4·7	4·8	4·6
	11	1·4	0·4	-0.8	-2·1	-3·3	-4·3	-5·2	-5·7	-6·2	-6·4	-6·3	-5·7	-5·0	-4·2	-3·1	-1·9	-0·6	0·7	2·0	3·3	4·1	4·9	5·4	5·4
	12	2·7	1.7	-0·6	-0·6	-2·0	-3·3	-4·3	-5.4	-6·1	-6·5	-6·7	-6·6	-6·3	-5·6	-4·7	-3·7	-2·4	-1·0	0·3	1·7	2·9	4·0	4·8	5·4
	13	3·7	3·4	2·6	1·6	0·2	-1·2	-2·0	-4·0	-5·0	-6·0	-6·5	-6·7	-6·6	-6·3	-5·7	-4·7	-3.4	-2·0	-0·8	0·7	2·0	3·2	4·3	5·2
	14	4·0	4·2	3·7	3·0	1·8	0·3	-1·2	-2·6	-3·8	-5·0	-5·7	-6·3	-6·3	-6·2	-5·7	-5·0	-4·0	-3·0	-1·7	-0·5	0·8	2·0	3·4	4·5
	15	3·5	4·0	4·2	3·7	3·0	2·0	0·4	-1·0	-2·5	-3·8	-4·7	-5·5	-6·0	-6·2	-5·9	-5·4	-4·7	-3·9	-2·8	-1·7	-0·5	0·6	2·0	3·3
	16	2·4	3·2	3·5	3·6	3·3	2·5	1·4	0·3	-1·0	-2·3	-3·4	-4·5	-5·2	-5·5	-5·6	-5·5	-5·2	-4·4	-3·5	-2·6	-1·5	-0·3	0·8	2·0
	17	1·4	2·4	3·2	3·6	3·7	3·5	2·7	1·7	0·5	-0·7	-1·9	-3·0	-3·7	-4·4	-4·7	-4·8	-4·6	-4·3	-3·5	-2·8	-2·0	-1·2	-0·1	0·8
	18	-0·1	0·9	1·8	2·5	3·0	3·3	3·1	2·5	1·7	0·6	-0·3	-1·3	-2·2	-2.9	-3·4	-3·7	-3·9	-3·8	-3·6	-3·2	-2·5	-1·9	-1·2	-0·3
	19	-1·7	-0·7	0·3	1·0	1·7	2·2	2·4	2·5	2·3	1·8	1·2	0·4	-0·3	-1·2	-1·8	-2·3	-2·7	-2·8	-2·8	-2·7	-2·4	-2·1	-1·7	-1·0
	20	-2·9	-2·2	-1·4	-0·6	0·2	0·8	1·4	1·9	2·2	2·3	2·0	1·7	1·2	0.6	0·0	-0·4	-0·9	-1·3	-1·5	-1·6	-1·6	-1·5	-1·4	-1·0
	21	-3·9	-3·5	-3·1	-2·5	-1·8	-1·0	-0·3	0·4	1·0	1·4	1·8	2·1	2·1	1·8	1·6	1·3	0·9	0·5	0·2	-0·2	-0·5	-0·7	-0·9	-1·0
	22	-4·4	-4·4	-4·3	-4·1	-3·6	-2·9	-2·1	-1·3	-0·6	0·2	0·9	1·6	2·0	2·3	2·5	2·6	2·4	2·1	1·7	1·4	1·0	0·5	0·0	-0·4
	23	-4·7	-5·2	-5·4	-5·3	-5·2	-4·7	-4·1	-3·3	-2·5	-1·5	-0·5	0·4	1·2	2·0	2·8	3·4	3·7	3·8	3·7	3·4	2·8	2·2	1·4	0·7
	24	-3·6	-4·6	-5·4	-6·2	-6·6	-6·8	-6·7	-6·4	-5·7	-4·7	-3·6	-2·3	-1·1	0.0	1·3	2·6	3·5	4·2	4·7	4·8	4·7	4·2	3·6	2·7
	25	-1·5	-3·0	-4·3	-5·4	-6·4	-7·3	-7·7	-8·0	-7·7	-7·0	-6·0	-4·6	-3·4	-2·0	-0·4	1·3	2·7	3·8	4·8	5·7	6·0	6·0	5·7	5·2
	26	1·5	0·0	-1·7	-3·7	-5·3	-6·6	-7·7	-8·4	-8·6	-8·6	-8·2	-7·2	-6·0	-4·3	-2·4	-1·0	1.0	2·7	4·2	5·5	6·4	7·0	7·1	6·7
	27	4·0	2·7	1·9	0·0	-1·8	-4·0	-5·3	-7·0	-8·0	-9·0	-9·2	-9·2	-8·6	-7·7	-6·7	-5·0	-3·0	-0·8	1·3	3·2	4·7	6·2	7·1	7·7
	28	5·8	5·5	4·7	3·2	-1·7	-0·7	-2·4	-4·5	-6·0	-7·5	-8·5	-9·2	-9·4	-9·3	-8·7	-7·7	-6·3	-4·2	-2·1	0·0	2·0	4·0	5·7	6·8
	29	5·6	6·2	6·0	5·3	4·3	2·7	1·0	-1·3	-3·2	-5·2	-6·7	-8·0	-8·8	-9·2	-9·0	-8·3	-7·7	-6·6	-5·2	-3·6	-1·6	0·7	2·7	4·6
	30	3·2	4·5	5·3	5·7	5·3	4·4	3·3	1·7	0·0	-2·1	-4·0	-5·6	-6·7	-7·3	-8·2	-8·3	-8·1	-7·0	-5·9	-4·7	-3·0	-1·4	0·3	2·0
	31	0·6	2·2	3·4	4·3	5·0	5·2	4·7	3·8	2·7	1·0	-0·4	-2·3	-3·7	-4·9	-5·7	-6·3	-6·4	-6·3	-5·7	-5·0	-4·1	-2·8	-1·6	0·0

HEIGHT OF THE TIDE *(in Feet) as taken from the Self-registering Tide Gauge.*

	Bombay Mean Time.	Noon.		1h·	30m	2h·	30m	3h·	30m	4h·	30m	5h·	30m	6h·	30m	7h·	30m.	8h·	30m	9h·	30m	10h·	30m.	11h·	30m.
		0h.	30m.																						
FEBRUARY, 1846.	1	-2·1	-0·6	0·8	2·1	3·0	3·8	4·2	4·1	3·7	2·7	1·6	0·3	-1·0	-2·3	-3·2	-4·0	-4·4	-4·7	-4·6	-4·3	-3·8	-3·3	-2·5	-1·6
	2	-4·3	-3·0	-1·8	-0·7	0·5	1·7	2·3	3.0	3·2	3·0	2·4	1·7	0·9	0·0	-0·8	-1·6	-2·2	-2·8	-3·0	-3·2	-3·0	-2·9	-2·7	-2·3
	3	-5·0	-4·3	-3·7	-2·7	-1·8	-0·8	0·0	0·8	1·3	1·7	2·0	2·0	1·7	1·2	0·7	0·2	-0·3	-1·0	-1·3	-1·7	-2·0	-2·1	-2·2	-2·2
	4	-5·0	-4·9	-4·6	-4·0	-3·4	-2·8	-2.2	-1·5	-0·8	-0·2	0·3	0·8	1·3	1·4	1·3	1·2	1·0	0·7	0·3	-0·1	-0·5	-0·8	-1·2	-1·4
	5	-4·0	-4·2	-4·1	-4·0	-3·7	-3·5	-3·0	-2·5	-2·0	-1·4	-0·8	-0·2	0·2	0·8	1·3	1·6	1·7	1·8	1·7	1·5	1·2	0·7	0·3	-0·3
	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·0	0·7	1·4	1·8	2·3	2·4	2·4	2·0	1·7	1.2
	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·5	1·7	2·5	3·2	3·4	3·5	3·3	2·7	2·1
	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	-0·2	1·0	1·8	2·6	3·3	3·7	3·9	3·9
	9	0·7	-0·3	-1·3	-2·5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.0	2·0	2·8	3·6	4·2	4·5
	10	2·4	1·5	0·5	-0·7	-2·0	-3·3	-4·3	—	—	—	—	—	—	—	—	—	—	0·0	1·3	2·6	3·8	4·6	5·2	5·3
	11	3·7	3·0	2·0	0·5	-0·8	-2·5	-3·5	-4·6	-5·4	-6·2	-6·3	-6·3	-6·0	-5·4	-4·6	-3·7	-2·4	-1·2	0·2	1·6	2·0	4·3	5·2	5·7
	12	4·4	4·2	3·6	2·6	1·3	-0·1	-1·7	-3·0	-4·2	-5·2	-5·8	-6·3	-6·4	-6·0	-5·5	-4·7	-3·7	-2·6	-1·2	0·2	1·7	3·0	4·3	5·2
	13	4.2	4·4	4·2	3·5	2·5	1·2	-0·3	-1·8	-3·2	-4·3	-5·2	-6·0	-6·3	-6·3	-6·0	-5·4	-4·6	-3·6	-2·3	-1·0	0·3	1·7	3·0	4·2
	14	3·7	4·3	4·5	4·3	3·6	2·6	1·2	-0·3	-1·8	-3·2	-4·3	-5·2	-5·7	-6·0	-6·0	-5·6	-4·9	-4·2	-3·1	-2·0	-0·7	0·6	1·9	3·2
	15	2·6	3·5	4·2	4·4	4·3	3·6	2·8	1·7	-0·3	-1·0	-2·3	-3·5	-4·3	-4.8	-5·2	-5·2	-4·9	-4·5	-3·6	-2·6	-1·6	0·4	0·7	1·8
	16	1·0	2·4	3·2	3·8	4·2	4·2	3.7	2·9	1·7	0·5	-0·8	-1·9	-2·9	-3·7	-4·3	-4·6	-4·6	-4·4	-3·8	-3·2	-2·3	-1·5	-0·7	0·7
	17	-1.0	0·3	1·4	2·4	3·2	3·6	3·7	3·6	3·0	2·2	1·3	0·3	-0·7	-1·6	-2·3	-2·8	-3·2	-3·3	-3·2	-3·1	-2·7	-2·0	-1·4	-0·7
	18	-2·7	-1·7	-0·6	0·5	1·3	2·1	2·7	3·0	3·0	2·8	2·2	1·6	0·7	0·0	-0·7	-1·5	-1·8	-2·2	-2·3	-2·4	-2·3	-2·2	-1·9	-1·4
	19	-4·2	-3·4	-2·6	-1·7	-0·8	0·0	0·9	1·6	1·9	2·2	2·2	2·0	1·7	1·3	0·9	0·4	-0·1	-0·6	-0·9	-1·2	-1·3	-1·5	-1·7	-1·7
	20	-5·2	-4·7	-4·3	-3·7	-3·0	-2·3	-1·4	-0·7	0·9	0·8	1·3	1·7	1·8	2·0	1·9	1·8	1·4	1·2	0·8	0·4	0·1	-0·3	-0·7	-1·5
	21	-5·4	-5·7	-5·8	-5·7	-5·3	-4·7	-4·0	-3·3	-2·5	-1·7	-0·9	0·0	0·7	1·4	2·0	2·3	2·8	2·8	2·7	2·3	1·9	1·5	1·0	0·3
	22	-4·0	-4·9	-5·7	-6·2	-6·3	-6·4	-5·8	-5·3	-4·6	-3·8	-3·0	-2·0	-1·2	-0·3	0·4	1·3	2·3	3·0	3·6	3·8	3·9	3·6	2·9	2·1
	23	-2·1	-3.4	-4·6	-5·7	-6·5	-7·1	-7·3	-7·2	-6·7	-5·9	-5·0	-3·5	-2·3	-1·0	0·6	1·9	3·3	4·2	5·0	5·5	5·6	5·4	4·9	4·0
	24	1·0	-0·5	-2·0	-3·6	-5·0	-6·2	-7·2	-7·7	-8·0	-7·8	-7·4	-6·3	-5·2	-3·7	-2·2	-0·6	1·2	2·7	4·4	5·6	6·4	6·7	6·6	6.2
	25	4·4	3·0	1·4	0·0	-1·8	-3·7	-5·4	-6·9	-7·9	-8·5	-8·8	-8·7	-8·2	-7·0	-5·8	-4·2	-2·3	-0·3	1.3	3·0	4·6	5·8	6·7	7·1
	26	5·9	5·4	4·4	2·7	0·9	-1·0	-3·1	-5·0	-6·4	-7·7	-8·4	-8·7	-8·7	-8·3	-7·3	-6·1	-4·2	-2·3	-0·4	1·4	3·2	4·8	6·0	6·8
	27	6·1	6·3	6·0	5·2	3·9	2·3	0·0	-2·0	-3·9	-5·6	-1·8	-7·7	-8·3	-8·3	-8·0	-7·3	-6·2	-4·5	-3·0	-1·0	0·7	1·7	4·2	5·4
	28	5·0	6·0	6·4	6·3	5·7	4·7	3·4	1·7	0·0	-1·7	-3·5	-4·8	-5·9	-6·5	-6·6	-6·6	-6·5	-6·0	-5·3	-4·2	-2·6	-1·2	0·7	2·3
	29																								
	30																								
	31																								

HEIGHT OF THE TIDE *(in Feet) as taken from the Self-registering Tide Gauge.*

	Bombay Mean Time.	12h.	30m.	13h	30m.	14h.	30m.	15h.	30m.	16h.	30m	17h.	30m	18h.	30m	19h.	30m.	20h.	30m.	21h.	30m	22h.	30m.	23h.	30m.
JANUARY, 1846.	1	3·5	5·4	6·7	7·4	7·8	7·8	7·3	6·4	5·0	3·6	1·8	0·2	−1·5	−2·8	−4·2	−4·9	−5·5	−5·8	−5·8	−5·6	−5·0	−4·0	−2·6	−1·3
	2	−0·8	2·8	4·3	5·5	6·4	6·8	6·9	6·6	5·8	4·9	3 5	2·2	0·6	−0·7	−2·3	−3·5	−4·5	−5·1	−5·4	−5·6	−5·6	−5·3	−4·6	−3·5
	3	−1·0	0·6	1·8	3·2	4·3	5·1	5·7	6·0	5·7	5·3	4·6	3·6	2·4	1·0	−0·3	−1·5	−2·7	−3·6	−4·3	−4·8	−5·2	−5·3	−5·1	−4·7
	4	−1·6	−1·0	0·0	1·0	2·0	2·9	3 7	4·3	4·6	4·7	4·6	4·0	3·3	2·3	1·3	0·3	−0·7	−1·7	−2·6	−3·4	−3·8	−4·3	−4·5	−4·6
	5	−1·4	−1·4	−1·2	−0·7	−0·1	0·6	1·4	2·2	2·7	3·4	3·6	3 6	3·5	3·1	2·3	1·6	0·7	−0·1	−0·8	−1·6	−2·4	−3·1	−3·6	−4·1
	6	−0·6	−0 9	−1·1	−1·0	−0·8	−0·5	0·0	0·5	1·1	1·6	2·1	2·4	2·5	2·4	2·3	2·0	1·4	0·9	0·3	−0·6	−1·3	−2·1	−2·7	−3·3
	7	0·2	−0·4	−0·7	−1·0	−1·3	−1·3	−1·2	−0·8	−0·4	0 0	0·5	0·9	1·3	1·7	2 0	2·3	2·4	2·4	2·0	1.4	0·8	0·0	−0·9	−1·8
	8	1·7	0·7	0·0	−0·7	−1·2	−1·6	−1·7	−1·8	−1·7	−1·6	−1·3	−0·7	−0·2	0·4	1·0	1·5	1·8	2·2	2·3	2·2	1·7	1·1	0·4	−0·4
	9	3·0	2·0	0·9	0·1	−0·7	−1·4	−1·8	−2 2	−2·3	−2·4	−2·3	−2·1	−1·6	−1·1	−0·4	0·4	1.0	1·6	2·2	2·4	2·5	2·3	1·6	0·8
	10	4·2	3·3	2·3	1·3	0·3	−0·5	−1·3	−1·9	−2·4	−2·7	−2·8	−2·7	−2·4	−2·1	−1 4	−0·6	0·4	1·1	1·8	2·5	2·8	3·0	2·8	2·3
	11	5·2	4·5	3 6	2·7	1·4	0·3	−0·7	−1.5	−2·3	−2·7	−3·0	−3·2	−3·2	−2·9	−2·4	−1·7	−0·8	0·0	1·0	1·8	2·6	3·0	3·3	3·2
	12	5·7	5·5	4·8	4·0	3·0	1·8	0·6	−0·7	−1·6	−2·7	−3·3	−3·5	−3·7	−3.7	−3·5	−2·9	−2·3	−1·3	−0·3	0·8	1·7	2·5	3·3	3·6
	13	5·8	5·8	5·5	5·0	4·2	3·2	1·9	0.7	−0·8	−1·9	−2·8	−3·3	−3·8	−4 0	−4.0	−3·7	−3·2	−2·5	−1·6	−0·4	0·8	1·8	2·7	3·4
	14	5·5	5·9	6·0	5·7	5·3	4 5	3·3	2·0	0·5	0·9	−2·0	−3·0	−3·6	−4·0	−4·3	−4·2	−4·0	−3·3	−2·5	−1·4	−0·6	0·7	2·6	2·7
	15	4.3	5·1	5·6	5·7	5 5	4·8	4·0	2·7	1·4	0·0	−1·4	−2·5	−3·5	−4·3	−4·7	−5·0	−4·9	−4·5	−3·9	−2·9	−1·9	−0·7	0·4	1·5
	16	3 2	4·3	5·0	5·5	5·6	5·2	4 6	3·7	2·5	1·0	−0·3	−1·6	−2·6	−3·7	−4·3	−4·7	−4·8	−4·7	−4·5	−3·9	−3·0	−2·0	−0.8	0·3
	17	2·0	3·2	4·0	4·7	5·2	5·3	5·0	4·3	3·4	2·2	0·8	−0·7	−1·8	−3·0	−4·0	−4·5	−4·9	−5·1	−5·0	−4·5	−4·1	−3 3	−2·3	−1·3
	18	0·7	1·7	2·7	3·5	4·1	4·4	4·6	4·5	3·9	3·0	1·9	0·8	−0·3	−1·6	−2·7	−3 7	−4·3	−4·7	−5·0	−5·0	−4·7	−4·3	−3·5	−2·5
	19	−0·2	0 6	1·4	2·2	2·9	3 6	3·9	4·1	4 0	3·6	2·7	1·7	0·7	−0·3	−1·3	−2·3	−3·2	−3·9	−4·4	−4·6	−4·6	−4·5	−4·2	−3·6
	20	−0·5	−0 3	0·3	0·9	1·6	2·3	2·8	3·3	3·5	3·5	3·2	2·6	1·7	0·8	0·0	−1·0	−1·7	−2·5	−3·2	−3·7	−4·1	−4·3	−4·3	−4·2
	21	−1·0	−0·8	−0·6	−0·2	0·3	0·9	1·5	2·0	2·5	2 8	2·9	2·7	2·4	1·9	1·3	0·4	−0·4	−1·0	−1·8	−2·6	−3·2	−3·7	−4·1	−4·3
	22	−0·6	−0·8	−1·0	−1·2	−1·0	−0·7	−0·2	0·4	1·0	1·5	1·9	2·2	2.3	2·3	2·0	1·6	1·0	0·4	−0·3	−1·0	−1·7	−2·6	−3·4	4·0
	23	0·0	0·5	−0·8	−1·2	−1·3	−1·4	−1·5	−1·3	−0·7	−0·3	0·4	1·0	1·6	2·0	2·3	2·5	2·5	2.3	1·7	1·2	0·4	−0·4	−1·4	−2·4
	24	1 5	0·4	−0·4	−1·2	−1·8	−2·3	−2·5	−2·7	−2·6	−2·4	−2·0	−1·2	−0·5	0·3	1·1	1·8	2·3	2·8	3·2	3·0	2·7	2·0	1·0	−0·2
	25	4·3	3·0	1·7	0·3	−0·7	−1·8	−2·7	−3·3	−3·6	−3·7	−3·6	−3·2	−2·5	−1·5	−0·5	0·5	1·7	2·6	3·3	4·0	4 3	4·2	3·7	2·7
	26	6 0	5·0	3·8	2·0	0·4	−1·2	−2 5	−3·7	−4·4	−5·0	−5 3	−5·2	−4·7	−3·8	−2·8	−1·5	−0·3	1·3	2·7	4·0	4·8	5·3	5·4	5·0
	27	7·6	7·3	6·3	5·0	3·6	1·7	−0·1	−1·8	−3·3	−4.6	−5·4	−6·0	−6·3	−6·3	−5·8	−5·0	−3·9	−2·3	−0·5	1·0	2·7	4·0	5·0	5·7
	28	7·7	7·8	7·7	6·8	5 7	4·1	2·3	0·3	−1·5	−3·3	−4·9	−6·0	−6·9	−7·3	−7·5	−7·4	−6·7	−5·3	−4·0	−2·0	−0·3	1·6	3·0	4·7
	29	6·2	6·9	7·4	7 4	6·7	5·7	4·4	2·7	0·6	−1·5	−3·3	−5·0	−6·3	−7·4	−8·0	−8·3	·8·3	−7·7	−6·7	−5·4	−3·7	−1·7	0·0	1·8
	30	3·8	5·0	6·2	6·7	6·8	6·5	5·8	4·7	3·0	1·2	−0·7	−2·6	−4·2	−5·6	−6·8	−7·6	−7·9	−8·1	−7·9	−7·3	−6·0	−4·5	−3·0	−1·0
	31	1·5	3·0	4·3	5·3	5·8	6·2	6·0	5·3	4 4	3·0	1·5	−0 3	−2·0	−3·4	−4·8	−6 0	−6·7	−7·2	−7·3	−7·2	−6·7	−5·8	−5·0	−3·5

HEIGHT OF THE TIDE *(in Feet) as taken from the Self-registering Tide Gauge.*

	Bombay Mean Time.	12h.	30m.	13h.	30m	14h	30m	15h.	30m	16h.	30m.	17h.	30m	18h.	30m.	19h.	30m.	20h.	30m	21h.	30m.	22h.	30m.	23h.	30m.
FEBRUARY, 1846.	1	−0·6	1·7	2·0	3·0	4·0	4·5	4·8	4·7	4·3	3·4	2·3	1·0	−0·3	−1·7	−3·0	−4·0	−5·0	−5·7	−6·3	−6·4	−6·3	−6·2	−5·8	−5·0
	2	−2·0	−1·2	−0·2	0.8	1·6	2·4	3·1	3·4	3·5	3·3	2·7	1·8	0·7	−0·3	−1·4	−2·5	−3·3	−4·1	−4·7	−5·2	−5·3	−5·4	−5·3	−5·2
	3	−2 2	−2·0	−1·6	−1·1	−0·4	0·2	0·9	1·4	1·8	2·1	2·0	1·8	1·2	0·3	−0·3	−1·2	−2·0	−2·7	−3·3	−3·9	−4·3	−4·7	−4·8	−5·0
	4	−1·5	−1·4	−1·3	−1.2	−1·0	−0·7	−0·4	0·0	0·3	0·7	0·8	1·0	1·0	0·7	0·3	−0·3	−1·0	−1·7	−2·2	−2·5	−3·0	−3·4	−3·7	−3·8
	5	−0 8	−1·2	−1·4	−1·5	−1·5	−1·3	−1·2	−0·9	−0·7	−0·3	0·0	0·2	0·3	0·3	0·0	−0·2	−0·7	−1 3	−1·8	−2·3	−2·3	−2·0	−1·7	−1·2
	6	0·6	−0·2	−0·8	−1·4	−1·7	−1 9	−2·0	−1·8	−1·7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	7	1·4	0·6	−0·1	−0·7	−1·5	−1·9	−2·3	−2·5	−2·6	−2·5	−2·4	−2·2	—	—	—	—	—	1·0	1·3	1·4	1·3	1·2	0·6	0·3
	8	3·5	2 8	2·0	1·3	0·5	−0·2	−0·7	−1·2	—	—	—	—	—	—	—	—	—	—	—	—	2·3	2·5	2·2	1·6
	9	4·3	4·0	3·3	2·5	1·6	0·7	0·1	—	—	—	—	—	—	—	—	—	—	—	—	2·0	2·6	3·2	3·3	2·1
	10	5·0	4·7	4·0	2·8	1·5	0·3	−0·8	−2·1	−2·9	−3·6	−4·0	−4·2	−4 2	−3·9	−3·4	−2·7	−1·8	−0·7	0·3	1·4	2·3	3·2	3·6	3·8
	11	5·8	5·7	5·0	4·3	3·1	1·6	0·2	−1·3	−2·3	−3·3	−4·0	−4·3	−4·6	−4·6	−4·3	−3·7	−3·0	−2·0	−0·9	0·4	1·7	2·7	3·6	4·3
	12	5·7	5·8	5·5	4·8	3·8	2·5	1·0	−0·5	−1·8	−3·2	−4·1	−4·7	−5·3	−5·4	−5·4	−5·2	−4·5	−3·5	−2·4	−1·2	0·0	1·4	2·6	3·6
	13	5·2	5·5	5·6	5·3	4·7	3·6	2·1	0·6	−0·8	−2·2	−3·4	−4·5	−5·2	−5.7	−6·0	−5·8	−5·5	−4.7	−3·8	−2·6	−1·2	0·2	1·7	2·8
	14	4·3	5·0	5·5	5·5	5·0	4·2	3·0	1·7	0·1	−1·5	−2·8	−4·0	−5·0	−5·7	−6·2	−6·3	−6·2	−5·6	−5·0	−4·0	−2·7	−1·3	0·1	1·5
	15	3·2	4·0	4·7	5·1	5·1	4·6	3·8	2·7	1·4	−0·1	−1·5	−2·8	−4·0	−5·0	−5·8	−6·3	−6·6	−6·5	−6·2	−5·4	−4·3	−3·0	−1·6	−0·2
	16	1·9	2·7	3·6	4·2	4·4	4·4	4·2	3·3	2·3	1·0	−0·2	−1·7	−2·8	−4·0	−4.8	−5·6	−6·0	−6·2	−6·0	−5·7	−5·0	−4·2	−3·3	−2·0
	17	0·3	1·2	2·2	3 0	3·6	3·8	3·9	3·7	3·0	2·3	1·2	0·0	−1·2	−2·3	−3·3	−4·2	−4·9	·5·4	−5·7	−5·7	−5·6	−5·2	−4·6	−3·6
	18	−0·9	−0·2	0·6	1·3	2·0	2·6	3·0	3·2	3·0	2·6	1·8	1·1	0·0	−0·8	−1·8	−2·7	−3·5	−4·3	−4·9	−5·2	−5·3	−5·4	−5·2	−4·7
	19	−1·6	−1·3	−0·8	−0·3	0·3	0·7	1·8	1·7	1·9	2·0	1·9	1·7	1·2	0·5	−0·3	−1·0	−1·9	−2·7	−3·5	−4·2	−4·7	−5·0	−5·3	−5·3
	20	−1·6	−1·7	−1·8	−1·8	−1·7	−1·2	−0·7	0·0	0·5	0·9	1·3	1·4	1·5	1·4	1·1	0·6	0·0	−0·7	−1·3	−2·0	−2·7	−3·4	−4·1	−4·8
	21	−0·2	−1·0	−1·8	−2·3	−2·7	−2·9	−2·9	−2·6	−2·2	−1·7	−1·2	−0·6	0·0	0·7	2·3	1·7	1·8	1·7	1·3	0·7	0·0	−1·0	−2·0	−3·0
	22	1·3	0·3	−1·2	−2·3	−3·3	−3·8	−4·1	−4·0	−3·7	−3·3	−2·8	−2·2	−1 3	−0·5	0·5	1·5	2·3	2·7	2·8	2·7	2·3	1·6	0·4	−0·9
	23	2·8	1·3	−0·1	−1·5	−2·5	−3·5	−4·3	−4·7	−4·9	−4·9	−4·6	−4·0	−3·0	−2·0	−0·7	0·6	1·7	2·7	3·6	4·2	4·3	4·2	3·7	2·5
	24	5·2	4·0	2·3	0·7	−0·8	−2·4	−3·8	−4·8	−5·6	−6·1	−6·2	−6·0	−5·4	−4·5	−3·3	−1·8	−0·1	1·6	2·8	4·0	5·0	5·6	5·7	5·3
	25	7·0	6·2	5·1	3·6	0·6	−0·4	−2·2	−4·0	−5·4	−6·7	−7·5	−7·8	−7·8	−7·5	−6·7	−5·6	−4·1	−2·3	−0·5	1·0	2·6	4·0	5·2	5·9
	26	7·2	7·0	6·3	5·2	3·7	1·5	−0·5	−2·6	−4·5	−5·8	−7·3	−8·2	−8·7	−8·8	−8·4	−7·6	−6·5	−5·0	−3·2	−1·1	0·6	2·5	4·0	5·3
	27	6·4	7 0	7·0	6·3	5·5	4·0	2·2	0·0	−1·8	−3·5	−5·0	−6·5	−7·6	−8·2	−8·4	−8·3	−7·5	−6·4	−5·0	−3·5	−1·5	0·5	2·0	3·8
	28	3·8	6·4	7·0	7·1	6·6	5·6	4·4	2·6	0·7	−1·0	−2·7	−4·4	−6·0	−7·1	−7·8	−8·2	−8·2	−7·7	−6·8	−5·6	−4·2	−2·3	−0 6	1·3
	29																								
	30																								
	31																								

HEIGHT OF THE TIDE *(in Feet) as taken from the Self-registering Tide Gauge.*

Bombay Mean Time.		Noon.																							
		0h.	30m.	1h.	30m	2h.	30m.	3h.	30m	4h.	30m	5h.	30m.	6h.	30m	7h	30m	8h.	30m	9h.	30m	10h.	30m.	11h.	30m
MARCH, 1846.	1	2·7	4·2	5·3	5·8	6·2	5·8	5·1	4·0	2·4	1·7	-0·8	-2·4	-3·7	-4·7	-5·3	-5·7	-5·6	-5·3	-4·6	-3·7	-2·6	-1·3	0·0	1·7
	2	0·0	1·7	2·8	3·7	4·4	4·8	4·8	4·4	3·5	2·3	1·2	0·0	-1·4	-2·6	-3·4	-4·1	-4·4	-4·4	-4·3	-3·8	-3·3	-2·5	-1·7	-0·5
	3	-2·2	-0·9	0·4	1·4	2·3	3·0	3·4	3·5	3·3	2·8	2·1	1·3	0·3	-0·7	-1·4	-2·2	-2·7	-3·1	-3·2	-3·2	-3·0	-2·7	-2·3	-1·7
	4	-3·4	-2·5	-1·7	-0·7	0·1	0·8	1·6	2·0	2·2	2·3	2·2	1·7	1·3	0·7	0·1	-0·5	-1·0	-1·6	-1·8	-2·1	-2·2	-2·1	-2·0	-1·8
	5	-3·6	-3·2	-2·7	-2·0	-1·5	-0·9	-0·3	0·2	0·7	1·2	1·6	1·7	1·6	1·3	1·1	0·7	0·3	0·0	-0·3	-0·6	-0·8	-1·0	-1·2	-1·1
	6	-3·3	-3·2	-3·0	-2·7	-2·4	-1·9	-1·4	-1·0	-0·6	0·0	0·3	0·7	1·0	1·2	1·3	1·3	1·2	1·0	0·8	0·5	0·1	-0·1	-0·4	-0·7
	7	-2·9	-3·2	-3·3	-3·2	-3·0	-2·8	-2·5	-2·1	-1·7	-1·3	-1·0	-0·5	0·0	0·5	1·0	1·4	1·7	1·8	1·9	1·8	1·7	1·3	1·0	4·0
	8	-2·4	-2·8	-3·1	-3·3	-3·6	-3·7	-3·6	-3·3	-3·0	-2·6	-2·1	-1·6	-1·0	-0·4	0·4	1·2	1·9	2·6	2·8	2·8	2·7	2·4	2·0	1·6
	9	-1·0	-1·8	-2·5	-3·0	-3·5	-4·0	-4·4	-4·6	-4·5	-4·3	-3·9	-3·3	-2·7	-1·5	-0·3	1·0	2·0	2·8	3·4	3·8	3·9	3·7	3·2	2·5
	10	0·0	-1·0	-1·9	-2·7	-3·5	-4·2	-4·7	-5·2	-5·6	-5·7	-5·4	-5·0	-4·3	-3·3	-2·2	-1·0	0·7	1·8	2·8	3·7	4·0	4·3	4·1	3·6
	11	1·8	0·7	-0·5	-1·8	-2·8	-3·8	-4·6	-5·2	-5·8	-6·1	-6·3	-6·2	-6·0	-5·2	-4·2	-2·8	-1·5	0·3	1·0	2·4	3·7	4·2	4·6	4·5
	12	3·6	2·8	1·7	0·5	-0·3	-1·7	-3·0	-4·0	-5·0	-5·7	-6·2	-6·1	-5·7	-5·0	-4·0	-2·6	-1·4	0·0	1·3	2·7	3·7	4·5	5·0	5·1
	13	4·6	4·3	3·4	2·2	1·0	-0·5	-1·9	-3·2	-4·2	-4·9	-5·4	-5·7	-5·7	-5·3	-4·7	-3·5	-2·4	-1·2	0·2	1·7	2·8	3·9	4·6	5·2
	14	5·2	5·1	4·7	3·9	2·7	1·3	-0·1	-1·7	-3·0	-4·1	-4·9	-5·4	-5·6	-5·4	-5·0	-4·2	-3·3	-2·2	-1·0	0·4	1·8	3·0	4·0	4·8
	15	4·5	5·1	5·2	4·7	3·9	2·7	1·3	-0·1	-1·7	-3·0	-4·0	-4·8	-5·4	-5·7	-5·6	-5·2	-4·7	-3·7	-2·6	-1·3	0·0	1·4	2·6	3·6
	16	3·3	4·3	4·7	5·0	4·7	4·0	3·0	1·6	0·3	-1·2	-2·6	-3·8	-4·7	-5·2	-5·4	-5·3	-4·9	-4·3	-3·5	-2·5	-1·6	-0·2	0·9	2·2
	17	2·1	3·3	4·0	4·7	4·9	4·8	4·3	3·3	2·2	0·8	-0·4	-1·9	-3·0	-3·7	-4·3	-4·5	-4·5	-4·2	-3·7	-3·0	-2·2	-1·2	0·0	1·1
	18	0·1	1·6	2·6	3·5	4·2	4·5	4·6	4·3	3·7	2·7	1·6	0·6	-0·7	-1·8	-2·6	-3·1	-3·3	-3·2	-3·1	-2·7	-2·3	-1·7	-1·0	-0·1
	19	-1·5	-0·4	0·6	1·7	2·6	3·3	3·7	3·9	3·8	3·5	2·8	2·2	1·2	0·3	-0·6	-1·3	-1·8	-2·2	-2·3	-2·3	-2·2	-2·0	-1·7	1·3
	20	-3·4	-2·4	-1·6	-0·5	0·3	1·3	2·0	2·7	3·0	3·2	3·0	2·8	2·3	1·7	1·1	0·4	-0·1	-0·7	-1·1	-1·4	-1·7	-1·8	-1·9	-1·9
	21	-4·7	-4·2	-3·4	-2·5	-1·7	-0·6	0·0	0·7	1·3	2·0	2·4	2·6	2·7	2·6	2·4	2·0	1·4	1·0	0·5	0·0	-0·6	-1·1	-1·5	-1·7
	22	-4·9	-5·0	-4·9	-4·6	-4·2	-3·4	-2·7	-1·8	-1·1	-0·2	0·7	1·3	2·0	2·5	2·7	2·8	2·7	2·6	2·1	1·4	0·7	0·0	-0·8	-1·5
	23	-4·0	-4·6	-4·9	-5·2	-5·3	-5·0	-4·7	-4·1	-3·3	-2·5	-1·6	-0·6	0·4	1·4	2·3	3·0	3·4	3·6	3·5	3·2	2·7	1·7	0·8	-0·1
	24	-2·0	-3·2	-4·4	-5·3	-5·8	-6·1	-6·0	-5·8	-5·2	-4·4	-3·5	-2·5	-1·1	0·2	1·4	2·7	3·7	4·4	5·0	5·1	4·9	4·4	3·7	2·7
	25	1·4	-0·3	-1·8	-3·3	-4·6	-5·7	-6·3	-6·6	-6·6	-6·3	-5·6	-4·7	-3·5	-2·0	-0·4	1·1	2·5	3·8	4·8	5·7	6·0	5·8	5·4	4·6
	26	4·3	2·7	1·2	-0·5	-2·1	-3·3	-4·4	-5·4	-6·0	-6·3	-6·4	-5·9	-5·2	-3·8	-2·5	-0·8	0·6	1·3	3·8	5·0	6·1	6·7	6·7	6·3
	27	6·4	5·7	4·6	3·0	1·0	-0·7	-2·3	-4·0	-5·2	-6·0	-6·6	-6·6	-6·3	-5·5	-4·6	-3·2	-1·7	0·0	1·7	3·4	4·8	6·0	6·7	7·0
	28	7·0	6·8	6·2	5·3	4·0	2·3	0·3	-1·6	-3·2	-4·4	-5·4	-6·2	-6·4	-6·2	-5·7	-5·0	-3·8	-2·3	-0·8	1·0	2·5	3·8	5·0	6·0
	29	5·6	6·3	6·4	6·0	5·3	4·2	2·7	1·0	-0·6	-2·3	-3·8	-5·0	-5·6	-6·0	-6·0	-5·6	-5·0	-4·0	-2·7	-1·1	0·4	1·9	2·2	4·3
	30	4·1	5·2	6·0	6·2	5·8	5·1	4·0	2·7	1·1	-0·3	-1·7	-3·0	-4·0	-4·6	-5·0	-4·9	-4·7	-4·2	-3·3	-2·2	-1·0	0·2	1·5	2·7
	31	2·0	3·4	4·3	5·0	5·3	5·2	4·8	4·0	2·7	1·5	0·4	-1·0	-2·0	-3·0	-3·7	-4·0	-4·0	-3·9	-3·7	-3·2	-2·5	-1·5	-0·5	-0·6

HEIGHT OF THE TIDE *(in Feet) as taken from the Self-registering Tide Gauge.*

Bombay Mean Time.		Noon.																							
		0h	30m.	1h.	30m	2h.	30m.	3h.	30m.	4h.	30m.	5h.	30m.	6h.	30m.	8h.	30m.	8h.	30m	9h.	30m	10h.	30m	11h.	30m
APRIL, 1846.	1	-0·3	1·0	2·0	3·0	3·7	4·1	4·3	4·1	3·6	2·7	1·9	0·9	0·0	-1·0	-1·6	-2·2	-2·6	-2·7	-2·7	-2·6	-2·3	-2·0	-1·4	-0·6
	2	-1·6	-0·7	0·1	1·0	1·8	2·6	3·1	3·4	3·3	3·2	2·7	2·0	1·2	0·3	-0·3	-0·8	-1·2	-1·7	-1·8	-1·9	-2·0	-1·9	-1·7	-1·3
	3	-2·1	-1·6	-1·2	-0·5	0·0	0·7	1·6	2·3	2·6	2·7	2·6	2·4	2·0	1·5	1·0	0·5	0·1	-0·3	-0·7	-0·9	-1·2	-1·4	-1·4	-1·3
	4	-1·9	-1·6	-1·3	-1·0	-0·6	-0·2	0·3	0·8	1·4	1·7	2·0	2·2	2·1	1·9	1·7	1·4	1·0	0·7	0·4	0·0	-0·3	-0·7	-0·9	-1·2
	5	-2·3	-2·2	-2·0	-1·7	-1·5	-1·2	-0·7	-0·3	0·1	0·6	1·0	1·3	1·7	1·8	2·0	1·9	1·7	1·6	1·3	0·8	0·4	0·0	-0·4	-0·7
	6	-2·6	-2·7	-2·8	-2·7	-2·6	-2·4	-2·0	-1·6	-1·2	-0·7	-0·2	0·4	1·0	1·6	1·9	2·2	2·4	2·5	2·3	2·0	1·6	1·0	0·5	0·0
	7	-1·7	-2·2	-2·7	-3·1	-3·3	-3·3	-3·2	-2·8	-2·4	-1·8	-1·2	-0·6	0·0	0·7	1·4	2·2	2·7	3·0	3·2	3·1	2·7	2·2	1·5	0·7
	8	-0·2	-1·0	-1·8	-2·6	-3·3	-3·7	-4·0	-3·9	-3·7	-3·3	-2·6	-2·0	-1·3	-0·5	0·2	1·2	2·2	3·0	3·5	3·7	3·6	3·3	2·7	1·9
	9	1·3	0·3	-0·7	-1·7	-2·6	-3·3	-4·0	-4·3	-4·4	-4·2	-3·8	-3·3	-2·7	-1·7	-0·7	0·4	1·3	2·3	3·2	3·7	4·1	4·1	3·9	3·3
	10	3·1	2·1	1·0	-0·3	-1·5	-2·6	-3·4	-4·1	-4·5	-4·7	-4·6	-4·3	-3·7	-2·7	-1·7	-0·5	0·7	1·8	2·9	3·7	4·3	4·4	4·3	3·7
	11	4·1	3·1	1·8	0·6	-0·7	-2·0	-3·2	-4·2	-4·7	-5·0	-5·2	-5·0	-4·6	-3·8	-3·0	-1·8	-0·6	0·7	2·0	3·0	3·8	4·4	4·7	4·5
	12	5·2	4·7	4·0	2·9	1·6	0·2	-1·2	-2·5	-3·6	-4·4	-5·0	-5·3	-5·3	-5·2	-4·7	-3·8	-2·8	-1·6	-0·4	1·0	1·3	3·3	4·0	4·3
	13	5·3	5·4	5·0	4·4	3·4	2·0	0·5	-0·9	-2·2	-3·6	-4·4	-5·0	-5·4	-5·3	-5·2	-4·7	-3·9	-2·7	-1·6	-0·3	1·0	2·3	3·2	4·0
	13	4·3	5·2	5·5	5·5	4·9	4·0	2·8	1·4	0·0	-1·6	-3·0	-3·9	-4·5	-5·0	-5·0	-4·8	-4·6	-4·0	-3·1	-2·1	-0·8	0·4	1·6	2·8
	15	2·7	3·8	4·6	5·3	5·5	5·3	4·5	3·5	2·0	0·3	-1·0	-2·0	-2·7	-3·6	-4·0	-4·2	-4·2	-3·9	-3·5	-2·7	-1·7	-0·7	0·5	1·5
	16	1·4	2·8	3·8	4·7	5·3	5·5	5·3	4·7	3·9	2·9	1·7	0·7	-0·6	-1·6	-2·4	-3·0	-3·2	-3·2	-3·1	-2·8	-2·3	-1·7	-0·9	0·0
	17	-0·6	0·7	1·8	2·9	3·9	4·7	5·1	5·0	4·7	4·2	3·4	2·4	1·5	0·5	-0·4	-1·2	-1·8	-2·2	-2·4	-2·6	-2·6	-2·3	-2·0	-1·6
	18	-2·4	-1·4	-0·4	0·7	1·8	2·8	3·6	4·0	4·2	4·3	4·1	3·7	3·0	2·3	1·6	0·8	0·0	-0·7	-1·3	-1·7	-2·1	-2·3	-2·3	-2·3
	19	-3·7	-3·2	-2·4	-1·6	-0·7	0·2	1·2	2·2	2·9	3·4	3·7	3·7	3·6	3·3	2·8	2·2	1·6	0·8	0·2	-0·6	-1·4	-1·9	-2·2	-2·7
	20	-4·0	-3·4	-2·6	-2·2	-1·6	-1·0	-0·4	0·3	1·0	1·7	2·4	3·0	3·5	3·7	3·7	3·6	3·1	2·6	1·7	0·7	-0·1	-1·0	-1·7	-2·5
	21	-3·7	-4·2	-4·4	-4·4	-4·3	-3·9	-3·3	-2·4	-1·4	-0·5	0·6	1·5	2·4	3·2	3·7	4·1	4·3	4·2	3·7	2·9	2·1	0·9	-0·1	-1·2
	22	-1·7	-2·8	-3·7	-4·3	-4·6	-4·7	-4·6	-4·1	-3·3	-2·5	-1·5	-0·3	0·8	1·9	2·8	3·7	4·3	4·7	4·7	4·6	3·8	3·0	2·0	0·8
	23	1·4	-0·2	-1·5	-2·7	-3·7	-4·3	-4·6	-4·6	-4·5	-4·0	-3·2	-2·3	-1·0	0·3	1·5	2·7	3·8	4·7	5·3	5·6	5·5	5·0	4·1	3·0
	24	4·3	2·8	1·3	-0·3	-1·7	-3·0	-3·8	-4·4	-4·6	-4·5	-4·4	-4·0	-3·0	-2·0	-0·7	0·5	2·0	3·3	4·4	5·2	5·7	5·7	5·3	4·7
	25	6·0	5·0	3·9	2·3	0·7	-1·0	-2·3	-3·5	-4·3	-4·7	-4·8	-5·5	-5·3	-4·7	-4·0	-2·6	-1·4	0·1	1·5	2·7	3·7	4·5	4·8	4·7
	26	6·5	6·3	5·6	4·4	3·3	1·3	-0·1	-1·6	-2·9	-4·0	-4·8	-5·2	-5·4	-5·3	-4·9	-4·0	-3·0	-1·7	-0·3	1·0	2·2	3·0	3·8	4·3
	27	5·9	6·3	6·0	5·5	4·6	3·5	1·9	0·2	-1·0	-2·3	-3·6	-4·2	-4·7	-4·8	-4·7	-4·4	-3·7	-2·6	-1·6	-0·3	1·0	2·2	3·3	4·0
	28	4·7	5·7	6·0	5·9	5·3	4·6	3·6	2·1	0·8	-0·4	-1·8	-2·8	-3·5	-4·2	-4·3	-4·3	-4·2	-3·7	-2·9	-1·7	-0·7	0·6	1·7	2·7
	29	2·8	3·8	4·6	5·2	5·3	5·0	4·4	3·5	2·5	1·4	0·2	-1·0	-2·0	-3·0	-3·5	-3·8	-4·0	-3·8	-3·5	-3·0	-2·4	-1·2	-0·2	0·9
	30	0·7	2·0	3·0	3·8	4·3	4·7	4·7	4·3	3·6	2·7	1·7	0·7	-0·4	-1·4	-2·2	-2·7	-3·0	-3·1	-3·0	-2·7	-2·4	-1·8	-1·3	-0·5
	13																								

HEIGHT OF THE TIDE *(in Feet) as taken from the Self-registering Tide Gauge.*

Bombay Mean Time.		12h.	30m	13h.	30m	14h.	30m.	15h.	30m	16h.	30m.	17h.	30m.	18h.	30m.	19h.	30m.	20h.	30m.	21h.	30m.	22h.	30m.	23h.	30m.
MARCH, 1846.	1	2·9	4·3	5·2	5·7	5·8	5·6	4·7	3·7	2·3	0·6	-0·1	-2·7	-4·2	-5·4	-6·4	-7·2	-7·3	-7·3	-7·2	-6·6	-5·6	-4·5	-3·2	-1·5
	2	-0·7	2·1	3·1	3·7	4·2	4·3	4·2	3·5	2·6	1·6	0·2	-1·1	-2·3	-3·6	-4·7	-5·5	-6·2	-6·5	-6·6	-6·5	-6·2	-5.4	-4·6	-3·4
	3	-1·0	0·2	1·0	1·8	2·4	2·8	3.1	3·0	2·6	1·8	0·8	-0·1	-1·2	-2·0	-3·0	-3·7	-4·4	-5·0	-5·3	-5·4	-5·3	-5·2	-4·7	-4·2
	4	-1·7	-1·2	-0·6	0·0	0·4	0·9	1·3	1·6	1·7	1·5	1·2	0·6	-0·1	-0·7	-1·5	-2·0	-2·7	-3·2	-3·7	-4·0	-4·2	-4·3	-4·2	-4·0
	5	-1·1	-1·0	-0·8	-0·5	-0·2	0·0	0·3	0·5	0·6	0.7	0·7	0·5	0·3	-0·1	-0·6	-1·0	-1·4	-1·9	-2.2	-2·5	-2·8	-3·1	-3·2	-3·3
	6	-1·2	-1·3	-1·3	-1·2	-1·1	-0·9	-0·8	-0·6	-0·4	-0·3	-0·1	0·0	0·2	0·2	0·0	-0·3	-0·7	-0·8	-1·2	-1·5	-1·8	-2·2	-2·4	-2·7
	7	-0·1	-0·6	-1·0	-1·3	-1·6	-1·7	-1·8	-1·8	-1·7	-1·5	-1·3	-1·0	-0·7	-0·4	0·0	0·2	0.2	0·0	-0·2	-0·3	-0·7	-1·0	-1·5	-2·0
	8	1·0	0·0	-0·8	-1·3	-1·9	-2·2	-2·4	-2·7	-2·8	-2·7	-2·4	-2·1	-1·7	-1·3	-0·6	0·0	0·4	0·8	1·0	1·0	0·8	0·5	0·0	-0·5
	9	2·0	1.0	0·3	-0·6	-1·3	-2·2	-2·8	-3·3	-3·7	-3·9	-3·8	-3·5	-3.0	-2·5	-1·5	-0·4	0·7	1·6	2·0	2·2	2·3	2·2	1·8	1·0
	10	3·0	2·0	1·2	0·2	-0·8	-1·9	-2·8	-3·5	-4·2	-4·7	-4·9	-4.7	-4·3	-3·8	-2·7	-1·3	0·0	1·3	2·0	2·7	3·1	3·2	3·1	2·7
	11	4·2	3·1	1·9	0·7	-0·6	-2·0	-3·2	-4·2	-5·0	-5·6	-6·0	-6·1	-5·8	-5·3	-4·5	-3·6	-2·2	-0·7	0·8	2·0	3·0	3·7	3·9	4·0
	12	4·8	4·3	3·4	2·0	0·9	-0·7	-2·0	-3·3	-4.3	-5·0	-5·6	-5·7	-5·7	-5·4	-4·7	-3·7	-2·4	-1·2	0·2	1·4	2·7	3·6	4·3	4·6
	13	5·4	5·0	4·4	3·8	1·9	0·3	-1·0	-2·7	-3·8	-4·8	-5·5	-6·0	-6·2	-6·1	-5·7	-4·9	-3·8	-2·5	-1·2	0·3	1·8	3·0	4·0	4·7
	14	5·5	5·6	5·3	4·5	3.4	1·8	0·3	-1·6	-3·0	-4·3	-5.4	-6·2	-6·7	-6·9	-6·7	-6·4	-5·5	-4·5	-3·2	-1·7	-0·2	1·4	2·6	3·7
	15	4·6	4·9	5·0	4·7	4·0	3·7	1·4	-0·2	-1·8	-3·5	-4·9	-5·9	-6·8	-7·4	-7·7	-7·6	-7·0	-6·2	-5·1	-3·7	-2·3	-0·7	0·7	2·2
	16	3·2	4·0	4·6	4·7	4·4	3·7	2·6	1·3	-0·1	-1·8	-3·5	-4·7	-5·7	-6·7	-7·2	-7·4	-7·3	-6·7	-6·0	-4·9	-3·6	-2·1	-0·7	0·8
	17	2·2	3·0	3·7	4·2	4·3	4·0	3·4	2·3	1·2	0·0	-1·5	-3·0	-4·2	-5·3	-6·0	-6·6	-6·8	-6·8	-6·4	-5·7	-4·7	-3·5	-2·4	1·0
	18	1·0	1·9	2·6	3·2	3·7	3·8	3·7	3·2	2·5	1·6	0·5	-0·7	-2·0	-3·2	-4·2	-5·0	-5·5	-5·8	-5·8	-5·7	-5·3	-4·5	-3·7	-2·5
	19	-0·7	0·0	0·7	1·5	2·2	2·6	3·0	3·0	2.7	2·4	1·6	0·5	-0·5	-1·6	-2·7	-3·7	-4·4	-5·0	-5·3	-5·4	-5·4	-5·2	-4·7	-4·1
	20	-1·7	-1·3	-0·9	-0·3	0·3	0·8	1·3	1·7	2·0	2·1	1·9	1·6	1·0	0·3	-0·5	-1·4	-2·3	-3·0	-3·7	-4·3	-4·7	-4·9	-5·0	-4·9
	21	-2·0	-2·2	-2·3	-2·2	-1·9	-1·5	-1·0	-0·4	0·1	0·6	1·0	1·2	1·3	1·3	0·9	0·5	-0·2	-0·9	-1·5	-2·3	-3·0	-3·5	-4·2	-4·6
	22	-2·0	-2·8	-3·3	-3·5	-3·6	-3·5	-3.3	-2·8	-2·2	-1·6	-0·8	-0·2	0·3	0·8	1·2	1·4	1·3	1·0	0·6	-0·2	-1·0	-1·9	-2·7	-3·3
	23	-1·0	-2·5	-3·3	-4·0	-4·3	-4·7	-4·8	-4·6	-4·3	-3·5	-2·7	-1·5	-0·5	0·5	1·3	2·0	2·7	3·0	3·1	2·9	2·4	1·6	0·6	-0·7
	24	1·0	-0·4	-1·8	-3·0	-4·1	-5·0	-5·6	-5·8	-5·8	-5·6	-4·9	-4·0	-2·9	-1·7	-0·3	1·1	2·2	3·2	4·0	4·4	4·6	4·3	3·7	2·6
	25	3·3	1·6	0·0	-1·9	-3·1	-4·3	-5·2	-5·9	-6·2	-6·3	-6·2	-5·6	-4·8	-3·8	-2·7	-1·3	0·2	1·7	3·0	4·3	5·2	5·7	5·6	5·1
	26	5·5	4·3	2·6	0·5	-1·0	-3·0	-4·4	-6·0	-6·7	-7·4	-7·7	-7·7	-7·4	-6·4	-5·3	-4·0	-2·1	-0·5	1·6	3·0	4·5	5·7	6·6	6·7
	27	6·5	6·0	4·9	3·2	1·4	-0·6	-2·6	-4·3	-5·7	-7·0	-7·8	-8·2	-8·3	-8·0	-7·4	-6·2	-4·7	-3·2	-1·3	0·7	2·5	4·0	5·4	6·5
	28	6·4	6·2	5·6	4·7	3·2	1·5	-0·3	-2·4	-4·0	-5·7	-6·9	-7·8	-8·3	-8·4	-8·3	-7·8	-6·8	-5·5	-4·0	-2·0	-0·3	1·6	3·0	4·4
	29	5·2	5·7	5·7	5·0	4·2	2.7	1·3	-0·4	-2·0	-3·7	-5·2	-6·4	-7·4	-8·1	-8·2	-8·2	-7·7	-7·0	-5.7	-4·2	-2·5	-0·5	1·0	3·0
	30	4·0	4·6	4·8	4·8	4·5	3·6	2·4	1·0	-0·4	-2·0	-3·4	-4·7	-5·8	-6·7	-7·1	-7·2	-7·2	-6·8	-6·1	-5·0	-3·7	-2·3	-0·7	0·7
	31	1·8	2·7	3·4	3·9	4·0	3·7	3·2	2·1	1·0	-0·3	-1·5	-3·0	-3·9	-4·8	-5·5	-6·0	-6·2	-6·1	-5·7	-5·2	-4·5	-3·6	-2·7	1·5

HEIGHT OF THE TIDE *(in Feet) as taken from the Self-registering Tide Gauge.*

Bombay Mean Time.		12h.	30m	13h.	30m.	14h.	30m.	15h.	30m.	16h.	30m.	17h.	30m.	18h.	30m	19h.	30m	20h.	30m	21h.	30m	22h.	30m.	23h.	30m.
APRIL, 1846.	1	0·2	1·0	1·7	2·5	2·8	3·0	2·8	2·6	1·8	0·8	-0·2	-1·2	-2·2	-3·1	-3·8	-4·4	-4·8	-5·0	-4·9	-4·7	-4·3	-3·7	-3·2	-2·4
	2	-0·7	-0·3	0·3	0·7	1·2	1·7	1·9	1·9	1·7	1·3	0·7	0·0	-0·6	-1·3	-2·0	-2·6	-3·1	-3·5	-3·6	-3·5	-3·4	-3·2	-2·8	-2·5
	3	-1·3	-1·2	-1·0	-0·6	-0·1	0·3	0·7	0·8	0·9	0·8	0·6	0·3	-0·2	-0·7	-1·0	-1·5	-1·9	-2·2	-2·4	-2·6	-2·6	-2·4	-2·3	-2·2
	4	-1.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	-1·2	-1·5	-1·7	2·1	-2·2	-2·3	-2·2	-2·0	-1·8	-1·4	-1·2	-0·7	-0.3	0·0	0·3	0·5	0·6	0·4	0·1	-0·2	-0.7	-1·2	-1·6	2·0
	6	-0·6	-1·3	-1·8	-2·2	-2·6	-2·8	-3·0	-2·9	-2·8	-2·6	-2·3	-1·7	-1·2	-0·5	0·0	0·6	1·3	1·5	1·6	1·4	0·9	0·3	-0·3	-1·0
	7	0·0	-1·2	-2·0	-2·6	-3·0	-3·4	-3·7	-3·9	-3·9	-3·7	-3·3	-2·7	-2·0	-1·0	-0·3	0·6	1·4	2·0	2·4	2·5	2·3	1·9	1·4	0·6
	8	0·8	-0·3	-1·3	-2·4	-3·2	-3·8	-4·3	-4·7	-4·9	-4·8	-4·4	-3·7	-2·8	-1·8	-1·0	0·0	1·0	1·8	2·7	3·2	3·3	3·2	2·8	2·2
	9	2·3	1·5	0·2	-1·7	-3·0	-3·7	-4·6	-5·3	-5·7	-5·7	-5·5	-5·0	-4·3	-3·3	-2·1	-1·0	0·3	1·3	2·4	3·4	4·0	4·3	4·3	3·8
	10	2·7	1·7	0·6	-1·0	-2·4	-3·8	-4·7	-5·5	-6·2	-6·4	-6·4	-6·0	-5·3	-4·3	-3·2	-2·0	-0·6	0·8	2·0	3·2	4·0	4·7	4·9	4·7
	11	3·7	2·7	1·3	-0·5	-2·0	-3·6	-4·7	-5·8	-6·6	-7·3	-7·6	-7·4	-6·9	-6·0	-5·3	-4·0	-2·5	-1·0	0·6	2·2	3·3	4·3	4·6	5·2
	12	4·4	3·9	3·1	1·8	0·5	-1·2	-2·8	-4·4	-5·7	-6·9	-7·7	-8·3	-8·4	-8·0	-7·4	-6·4	-5·2	-3·7	-2·2	-0·6	0·8	2·5	3·7	4·7
	13	4·3	4·3	3·8	2·8	1·6	0·1	-1·4	-3·1	-4·3	-5·8	-6·9	-7·8	-8·3	-8·4	-8·2	-7·6	-6·6	-5·3	-4·0	-2·3	-0·7	0·7	2·0	3·2
	14	3·4	3·5	2·2	0·5	-1·0	-2·5	-4·0	-5·3	-6·3	-7.3	-8·0	-8·3	-8·6	-8·6	-8·5	-8·1	-7·4	-6·2	-5·0	-3·7	-2·4	-1·1	0·0	1·4
	15	2·5	3·3	3·8	4·1	4·0	3·4	2·3	1·0	-0·3	-1·8	-3·3	-4·4	-5·6	-6·5	-7·0	-7·2	-7·1	-6·7	-6·0	-5·0	-4·0	-2·7	-1·3	0·2
	16	1·2	2·1	2·7	3·3	3·4	3·6	3·2	2·4	1·7	0·5	-0·8	-2·0	-3·2	-4·2	-5·0	-5·7	-6·1	-6·1	-5·9	-5·5	-4·8	-4·1	-3·1	-1·9
	17	-1·0	0·0	0·7	1·4	2·0	2·6	2·9	2·9	2·6	1·8	1·2	0·2	-0·9	-1·9	-2·8	-3·7	-4·3	-4·9	-5·3	-5·2	-5·0	-4·7	-4·1	-3·3
	18	-2.2	-1·7	-1·3	-0·5	0·0	0·7	1.3	1·7	2·0	2·2	2·0	1·7	1·1	0·3	-0·5	-1·3	-2·1	-2·8	-3·3	-3·8	-4·2	-4·3	-4·3	-4·2
	19	-3·1	-3·1	-2·9	-2·6	-2·2	-1·5	-0·8	-0·2	0.5	1·1	1·4	1·9	2·0	2·0	1·7	1·2	0·5	-0·2	-1·1	-1·8	-2·6	-3·5	-4·0	-4·3
	20	-3·3	-3·7	-3·9	-4.1	-4·0	-3·7	-3.2	-2·4	-1·7	-0·7	0·0	0·8	1·5	2·1	2·4	2·6	2·5	2·2	1·5	0·6	-0·3	-1·3	-2·1	-3·0
	21	-2·3	-3·5	-4·3	-4·7	-5·2	-5·3	-5·2	-4·7	-4·0	-3.2	-2·0	-1·0	0·2	1·2	2·0	2·8	3·5	3·7	3·6	3·3	2·7	1·6	0·4	0·7
	22	-0·7	-2·4	-3·5	-4·5	-5·4	-6·3	-6·5	-6·4	-6·3	-5·6	-4·7	-3·3	-2·0	-0·7	0·9	2·1	3·3	4·0	4·8	5·2	5·0	4·6	3·6	2·5
	23	1·7	-0·3	-1·9	-3·3	-4·6	-5·7	-6·5	-7·0	-7·1	-7·1	-6·6	-5·5	-4·3	-3·0	-1·3	0·3	1·8	3·2	4·6	5·6	6·2	6·3	6·0	5·3
	24	3·5	1·7	0·0	-1·9	-3·6	-5·1	-6·2	-7·2	-7·2	-7·1	-7·0	-6·9	-6·3	-5·2	-3·7	-2·3	-0·6	1·0	2·8	4·3	5·5	6·3	6·7	6·5
	25	4·3	3·4	2·0	0·4	-1·3	-3·2	-4·5	-6·1	-7·3	-8·1	-8·6	-8.7	-8·6	-7·9	-6·7	-5·5	-4·0	-2·5	-0·7	1·0	2·7	4·2	5·3	6·2
	26	4·5	4·0	3·2	2·0	0·7	-1·0	-2·7	-4·2	-5·7	-7·0	-7·7	-8·3	-8·5	-8·4	-7·8	-7·0	-6·0	-4·6	-2·8	-1·0	0·7	2·3	3·7	4·9
	27	4·6	4·6	4·2	3·3	2·0	0·5	-1·0	-2·7	-4·2	-5·5	-6·7	-7·4	-7·7	-7·8	-7·4	-6·7	-6·0	-4·7	-3·3	-3·0	-0·4	1·0	2·6	3·7
	28	3·5	4·0	4·2	3·8	3·2	2·1	1·0	-0·4	1·8	-3·3	-4·6	-5.4	-6·3	-6·9	-7·2	-7·0	-6·4	-5·7	-4·8	-3·7	-2·4	-1·2	0·2	1·7
	29	1·8	2·6	3·1	3·2	3·3	2·6	2·0	1·1	0·0	-1·3	-2·3	-3·8	-4·7	-5·4	-6·0	-6·2	-6·1	-5·7	-5·2	-4·7	-3·7	-2·5	-1·5	-0·3
	30	0·4	1·0	1·7	2·3	2·7	2·7	2·4	1·8	1·0	-0·2	-1·3	-2·1	-3·0	-3·9	-4·5	-4·8	-5·0	-5·0	-4.7	-4·3	-3·7	-2·9	-2·3	-1·4
	31																								

HEIGHT OF THE TIDE *(in Feet) as taken from the Self-registering Tide Gauge.*

Bomday Mean Time.		Noon.																							
		0h	30m.	1h.	30m.	2h.	30m	3h.	30m	4h.	30m	5h.	30m.	6h.	30m	7h.	30m	8h.	30m.	9h.	30m	10h.	30m.	11h.	30m.
MAY, 1846.	1	-0·5	0·4	1·3	2·3	3·0	3·6	3·9	4·0	3·8	3·3	2·6	2·0	0·9	-0·1	-0.8	-1·5	-2·0	-2·3	-2·5	-2·4	-2·3	-2·1	-1·8	1·3
	2	-1·5	-0·6	0·0	1·0	1·7	2·4	3·0	3·3	3·3	3·2	2·8	2·3	1·7	1·0	0·3	-0·3	-0·8	-1·2	-1·5	-1·7	-1·7	-1·7	-1·6	-1·5
	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	—	—	—	—	—	—	—	2·1	2·5	2·6	2·7	2·5	2·1	1·8	1·2	0·7	0·0	-0·5	-1·2	-1·8
	6	-2·0	-2·1	-2·3	-2·3	-2·1	-1·9	-1·5	-1·0	-0·2	0·4	1·2	1·8	2·5	3·0	3·5	3·8	3·9	3·8	3·3	2·8	2·0	1·3	0·3	-0·4
	7	0·0	-0·6	-1·0	-1·4	-1·8	-1·9	-1·9	-1·7	-1·3	-0·7	0·0	0·8	1·5	2·3	3·0	3·5	3·9	4·0	3·9	3·7	3.2	2·3	1·3	0·5
	8	1·0	0·3	-0·5	-1·1	-1·7	-2·1	-2·5	-2·6	-2·4	-2·0	-1·5	-0·8	0·0	1·0	1·8	2·5	3·3	3·7	4·0	4·2	3·9	3·6	2·8	1·8
	9	3·0	2·2	1·0	0·0	-1·0	-2·0	-2·5	-2·8	-3·0	-3·0	-2·7	-2·2	-1·5	-0·5	0·3	1·3	2·3	3·1	4·0	4·3	4·6	4·4	4·0	3·1
	10	4·7	4·0	2·8	1·7	0·3	-0·7	-1·8	-2·6	-3.0	-3·2	-3·3	-3·0	-2·7	-1·9	-1·0	0·1	1·3	2.3	3·4	4·0	4·7	5·0	5·0	4·6
	11	6·5	6·0	5·0	4·2	2·7	1·2	0·0	-1·4	-2·4	-3·2	-3·7	-3·8	-4·0	-4·2	-3·9	-3·5	-2·8	-1·8	-0·7	0·3	1·6	2·8	3·7	4·4
	12	6·8	6·7	6·3	5·7	4·6	3·3	1·6	0·0	-1·3	-2·4	-3·2	-3·7	-3·7	-3·5	-3·0	-2·2	-1·3	-0·3	1·2	2·2	3·2	4·1	4·7	5·0
	13	5·7	6·5	6·7	6·4	5·7	4·9	3·7	2·1	0·6	-0·7	-2·0	-3·0	-3·7	-4·2	-4·3	-4·2	-3·8	-3·3	-2·4	-1·4	-0·2	1·0	2·2	3·2
	14	4·0	5·0	6·0	6·4	6·5	6·0	5·3	4·2	3·9	1·4	0·0	-1·5	-2·5	-3·5	-4.0	-4·1	-4·1	-3·9	-3·2	-2·5	-1·7	-0·5	0·6	1·7
	15	2·0	3·4	4·5	5·4	6·0	6·2	6·0	5·5	4·6	3·6	2·1	0·7	-0·4	-1·9	-2·7	-3·5	-3·7	-3·8	-3·8	-3·6	-3.2	-2·4	-1·5	-0.4
	16	-0·2	1·1	2·6	3·8	4·7	5·4	5·7	5·7	5·3	4·7	3·8	2·6	1·3	0·0	-1·1	-2·0	-2·7	-3·4	-3·6	-3·7	-3·7	-3·4	-3·0	-2·2
	17	-2·0	-0·7	0·4	1·6	2·7	3·7	4·4	5·0	5·2	5·0	4·7	4·0	3·0	2·0	0·9	-0·3	-1·2	-2·0	-2·4	-3·0	-3·4	-3·7	-4·0	-3·7
	18	-3·0	-2·3	-1·7	-0·6	0·3	1·5	2·6	3·7	4·3	4·7	4·8	4·7	4·4	3·7	2·8	1·8	0·7	-0·3	-1·2	-2·0	-2·7	-3·1	-3·4	-3·7
	19	-3·5	-3·3	-2·8	-2·2	-1·3	-0·3	0·7	1·7	2·7	3·3	3·9	4·3	4·5	4·4	4·0	3·4	2·7	1·9	1·0	-0·1	-1·2	-2·0	-3·0	-3·7
	20	-3·0	-3·3	-3·2	-3·0	-2·7	-2·3	-1·6	-0·9	0·0	0·9	1·8	2·6	3·4	3·8	4·0	4·2	4·0	3·6	2·9	2·0	1·0	-0·2	-1·3	-2·3
	21	-1·0	-1·8	-2·6	-3·1	-3·2	-3·2	-2·9	-2·4	-1·8	-0·9	0·0	0·7	1·7	2·6	3.4	3·8	4·1	4·2	4·0	3·5	2·8	1·7	0·7	-0·5
	22	1·4	0·1	-1·0	-1·9	-2·7	-3·0	-3·2	-3·2	-3·0	-2·5	-1·8	-0·9	0·1	1·1	2·1	2·9	3·5	4·0	4·3	4·3	4·0	3·3	2·5	1.4
	23	3·8	2·7	1·4	0·0	-1·1	-2·0	-2.8	-3·2	-3·4	-3·4	-3·2	-2·7	-1·9	-1·0	-0·1	1·2	2·2	3·1	3·8	4·2	4·5	4·4	3·9	3·0
	24	5·6	4·7	3·3	2·0	0·6	-0·7	-1·9	-2·8	-3·4	-3·7	-3·8	-3·7	-3·4	-2·7	-2·0	-0·8	0·3	1·4	2·6	3·5	4·0	4·3	4·3	4·0
	25	6·1	5·5	4·5	3·2	1·7	0·3	-1·0	-2·0	2·9	-3·4	-3·7	-3·7	-3·6	-3·2	-2·5	-1·6	-0·3	0·8	2·0	3·0	3·8	4·3	4·5	4·3
	26	6·5	6·5	6·3	5·6	4·7	3·5	2·0	0·5	-0·8	-1·8	-2·6	-3·2	-3·4	-3·5	-3·4	-3·0	-2·5	-1·6	-0·6	0·6	1·7	2·7	3·5	4·1
	27	5·6	6·0	6·2	6·0	5·5	4·7	3·6	2·1	1·0	-0·3	-1·3	-2·2	-2·8	-3·2	-3·5	-3·5	-3·2	-2·7	-2·2	-1·2	0·0	1·1	2·2	3·1
	28	4·0	4·7	5·4	5·7	5·6	5·0	4·3	3·3	2·1	1·0	-0·3	-1·2	-2·0	-2·7	-3·1	-3·3	-3·4	-3·3	-2·7	-2·1	-1·3	-0·3	0·7	1·7
	29	2·5	3·5	4·2	4·7	5·0	5·0	4·7	4·2	3·2	2·2	1·0	-0·2	-1·0	-1·8	-2·5	-3·0	-3·2	-3·3	-3·2	-2·8	-2·4	-1·6	-0·7	0·2
	30	1·0	1·9	2·8	3·7	4·2	4·5	4·6	4·4	3·8	3·2	2·2	1·1	0·1	-0·7	-1·4	-2·1	-2·5	-2·8	-3·0	-2·7	-2·6	-2·2	-1·7	-1·1
	31	-0·5	0·4	1·4	2·4	3·0	3·7	4·2	4·4	4·3	4·0	3·5	2·9	2·0	1·1	0·0	-0·6	-1·3	-1·7	-2·3	-2·6	-2·7	-2·7	-2·5	-2·2

HEIGHT OF THE TIDE *(in Feet) as taken from the Self-registering Tide Gauge.*

Bombay Mean Time.		Noon.																							
		0h.	30m.	1h.	30m	2h.	30m.	3h.	30m	4h.	30m.	5h.	30m	6h.	30m	7h.	30m.	8h.	30m	9h.	30m.	10h.	30m.	11h.	30m
JUNE, 1846.	1	-1·7	-0·6	0·3	1·2	2·3	3·0	3·7	4·2	4·6	4·6	4·5	4·3	3·9	3.3	2·4	1·6	0·7	-0.2	-0·9	-1·3	-1·7	-2·2	-2·3	-2·3
	2	-0.6	-0·5	-0·2	0·4	1·0	1·7	2·4	3·0	3·6	4·0	4·3	4·6	4·5	4·2	3·7	3·3	2·4	1·7	1·0	0·2	-0·4	-1·0	-1·4	-1·7
	3	-0.2	-0·3	-0·2	0·0	0·3	0·7	1·0	1·6	2·2	3·0	3·4	3·9	4·2	4·3	4·2	3·8	3·4	2·7	2·0	1·3	0·4	-0·4	-1·1	-1·7
	4	0·0	-0·3	-0·6	-0·7	-0·6	-0·4	0·0	0·4	1·0	1·6	2·2	2·8	3·4	3·9	4·2	4·3	4·0	3·7	3·0	2·2	1·5	0·5	-0·4	-1·2
	5	1·3	0·6	0·0	-0·4	-0·6	-0·5	-0·5	-0·4	-0·2	0·2	0·7	1·3	2·0	2·7	3·6	4·2	4·4	4·5	4.4	4·0	3·4	2·5	1·5	0·3
	6	3·3	2·0	1·3	0·3	-0·6	-1·0	-1·0	-0·9	-0·9	-0·8	-0·5	0·0	0·8	1·6	2·5	3·4	4·0	4·5	4·7	5·0	4·7	4·3	3·4	2·2
	7	5·3	4·4	3·0	2·0	0·7	-0·3	-0·9	-1.2	-1·4	-1·5	-1·4	-1·2	-0·7	0·0	1·0	2·0	3·0	3·7	4·7	5·3	5·6	5·4	5·1	4·2
	8	7·4	6·6	5·6	4·3	2·7	1·4	0·0	-1·1	-1·7	-2·0	-2·3	-2·1	-2·0	-1·5	-0·7	0·3	1·3	2·6	3·7	4·7	5·4	6·0	6·2	6·0
	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	8·5	8·2	7·5	6·6	5·4	3·8	2·0	0·7	-0·7	-1·7	-2·3	-2·5	-2·7	-2·6	-2·3	-1·7	-0·7	0·4	1·5	2·7	3·9	4·7	5·7	6·2
	11	8·3	9·0	8·8	8·4	7·6	6·4	5·2	4·0	2·3	0·7	-1·0	-2·0	-2·7	-3·0	-3·0	-2·7	-2·5	-1·9	-1·0	0·4	1·8	2·9	4·2	5·0
	12	6·8	8·0	8·6	8·8	8·6	8·3	7·6	6·7	5·2	3·3	1·4	0·0	-1·0	-2·0	-2·6	-3·0	-3·2	-3·0	-2·7	-2·0	-0·7	0·6	2·0	3·5
	13	4.3	5·6	6.8	7·7	8·1	8·3	8·0	7·3	6.2	4·7	3·0	1·4	-0·2	-1·6	-2·3	-3·0	-3·3	-3·4	-3·4	-3·5	-2·3	-1·6	-0·4	0·7
	14	2·0	3·3	4·7	5·8	6·9	7·5	7·6	7·4	7·0	6·4	5·2	3·7	2·0	0·4	-1·0	-2·0	-2·7	-3·3	-3·4	-3·0	-3·4	-3·0	-2·4	-1·5
	15	0·0	1·5	2·7	4·0	5·0	6·0	6·7	7·0	7·0	6·7	6·0	5·0	3·8	2·3	1·1	-0·1	-1·3	-2·0	-2·7	-3·0	-3·3	-3·3	-3·0	-2·5
	16	-1·3	-0·6	0·4	1·3	2·6	3·7	4·6	5·6	6·3	6·5	6·4	6·2	5·4	4·7	3·6	2·3	1·3	0·0	-0·9	-1·5	-2·2	-2·7	-3·0	-3·2
	17	-1·5	-1·3	-1·0	-0·3	0·6	1·7	2·6	3.5	4·4	5·0	5·7	5·9	5·7	5·3	4·7	3·9	3·0	1·8	0·7	-0·2	-1·0	-1·8	-2·5	-3·0
	18	-0·7	-1·0	-1·0	-0·7	-0·6	-0·2	0·3	1·2	2·0	2·9	3·6	4·1	4·7	5·0	5·0	4·6	3·8	3·2	2·5	1·7	0·8	-0·2	-1·2	-1·8
	19	0·7	0·2	-0·3	-0·6	-0·6	-0·6	-0·4	-0.1	0·4	1·2	1·8	2·5	3·3	3·9	4·3	4·6	4·7	4·4	4·0	3·4	2·6	1·8	1·0	0·0
	20	2·7	1·8	1·0	0·0	-0·4	-0·8	-1·0	-0·8	-0·5	-0·1	0·6	1·3	2·0	2·8	3·4	4·0	4·4	4·6	4·6	4·5	5.0	3·3	2·4	1·6
	21	4·3	3·0	2·0	1·1	0·1	-0·4	-1·0	-1·3	-1·4	-1·3	-1·0	-0·4	0·1	0·9	1·6	2·6	3·2	4·0	4·5	4·7	4·7	4·4	3·7	3·0
	22	6·0	5·0	3·8	2·7	1·6	0·6	-0·3	-0·9	-1·6	-2·0	-1·8	-1·5	-1·0	-0·4	0·2	1·0	2·0	3·0	3·7	4·4	4·9	5·0	4·9	4·5
	23	7·0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	—	—	—	—	—	—	—	—	—	—	—	—	-1·9	-1·5	-1·1	-0·3	0·6	1·5	2·5	3·5	4·4	5·0	5·1	5·0
	25	7·0	6·4	5.7	4·7	3.3	2·1	0·8	-0·3	-1·2	-1·8	-2·0	-2·2	-2·3	-2·1	-1·7	-1·2	-0·5	0·2	1·0	2·0	3·0	4·0	4·6	5·0
	26	7·0	7·2	7·0	6·3	5·3	4·3	3·2	1·9	0·7	-0·2	-0·8	-1·4	-1·8	-2·2	-2·3	-2·1	-1·9	-1·4	-0·9	-0·1	0·8	1·7	2·6	3·6
	27	5·0	6·0	6·7	6·9	6·8	6·5	5·8	5·0	3·8	2·5	1·5	0·3	-0·5	-1·3	-1·9	-2·2	-2·1	-1·8	-1·4	-1·0	-0·3	0·3	1·2	2·2
	28	3·3	4·5	5·3	6·0	6·3	6·4	6·2	5·5	4·8	3·8	2·8	1·5	0·5	-0·5	-1·2	-1·7	-2·0	-2·2	-2·0	-1·5	-1·2	-0·6	0·1	1·0
	29	2·3	3·3	4·1	5·0	5·6	6·0	6·2	6.0	5·5	4·8	4·0	3·0	2·0	1·0	0·0	-1·0	-1·6	-1·9	-2·1	-2·0	-1·7	-1·4	-0·8	-0·1
	30	1·2	1·9	2·6	3·4	4.1	4·9	5·2	5·3	5·2	4·8	4·2	3·4	2·5	1·6	0·7	-0·1	-0·8	-1·4	-1·7	-2·0	-2·1	-2·0	-1·5	-1·1
	31																								

Bombay Mean Time.		HEIGHT OF THE TIDE *(in Feet) as taken from the Self-registering Tide Gauge.*																							
		12h.	30m.	13h.	30m.	14h.	30m	15h.	30m.	16h.	30m	17h.	30m	18h.	30m.	19h.	30m.	20h.	30m.	21h.	30m.	22h.	30m.	23h.	30m.
MAY, 1846.	1	-0·7	-0·1	0·4	0·8	1·3	1·6	1·7	1·6	1·3	0·7	-0·1	-0·8	-1·5	-2·3	-3·0	-3·5	-4·0	-4·0	-3·9	-3·8	-3·5	-3·1	-2·6	-2·0
	2	-1·3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	-2·4	-2·8	-3·1	-3·3	-3·2	-3·0	-2·5	-2·0	-1·5	-0·9	-0·3	0·3	0·8	1·2	1·5	1·7	1·8	1·7	1·3	1·0	0·3	-0·3	-1·1	-1·7
	6	-1·2	-1·9	-2·4	-3·0	-3·2	-3·3	-3·0	-2·7	-2·0	-1·3	-0·5	0·3	1·2	1·9	2·5	3·0	3·3	3·5	3·4	3·1	2·6	2·0	1·4	0·7
	7	-0·6	-1·6	-2·5	-3·3	-3·8	-4·2	-4·3	-4·2	-3·8	-3·1	-2·3	-1·5	-0·3	0·9	1·8	2·5	3·5	4·0	4·2	4·2	4·0	3·5	2·9	2·0
	8	0·5	-0·7	-2·0	-3·1	-4·0	-4·9	-5·4	-5·6	-5·3	-4·9	-4·1	-3·0	-2·0	-0·9	0·4	1·6	2·6	3·6	4·2	4·8	5·0	4·9	4·6	3·9
	9	2·0	0·7	-0·8	-2·1	-3·5	-4·7	-5·7	-6·2	-6·4	-6·2	-5·8	-5·0	-4·0	-2·7	-1·3	0·0	1·3	2·7	4·0	4·8	5·6	5·9	5·8	5·4
	10	3·5	2·4	1·0	-0·7	-2·3	-3·9	-5·2	-6·3	-7·0	-7·1	-7·0	-6·7	-5·7	-4·6	-3·2	-1·8	-0·3	1·3	2·9	4·0	5·3	6·0	6·6	6·6
	11	4·8	4·8	4·5	3·3	1·7	0·2	-1·5	-3·4	-4·8	-6·1	-7·1	-7·7	-7·7	-7·2	-6·2	-5·0	-3·7	-2·0	-0·7	1·0	2·6	4·0	5·3	6·0
	12	4·9	4·3	3·0	1·5	0·0	-1·7	-3·6	-5·1	-6·3	-7·3	-7·8	-8·0	-8·1	-8·0	-7·7	-6·7	-5·6	-4·3	-2·7	-1·2	0·5	2·2	3·6	4·7
	13	4·0	4·3	4·6	4·0	3·3	2·0	0·6	-1·0	-2·7	-4·3	-5·6	-6·8	-7·7	-8·0	-8·1	-7·7	-7·1	-6·0	-4·8	-3·3	-2·0	-0·3	1·3	2·5
	14	2·7	3·4	4·0	4·3	4·2	3·6	2·6	1·4	0.0	-1·6	-3·0	-4·3	-5·3	-6·3	-7·0	-7·0	-6·9	-6·5	-5·8	-5·0	-4·0	-2·4	-0·9	0·6
	15	0·6	1·7	2·7	3·3	3·7	3·8	3·5	2·8	2·0	0·7	-0·5	-1·8	-3·0	-4·1	-5·0	-5.8	-6·3	-6·3	-6·2	-5·6	-5·0	-4·0	-2·8	-1·6
	16	-1·3	-0·3	0·5	1·4	2·1	2·7	3·1	3·2	2·8	2·3	1·6	0·5	-0·7	-1·7	-3·0	-4·0	-4·6	-5·3	-5·4	-5·3	-5·0	-4·5	-3·7	-2·8
	17	-3·3	-2·7	-1·8	-0·9	0·2	0·9	1·7	2·4	2·7	2·9	2·8	2·3	1·7	0·8	-0·2	-1·0	-2·0	-2·9	-3·5	-3·8	-4·0	-4·0	-3·8	3·6
	18	-3·8	-3·8	-3·5	-2·8	-2·3	-1·6	-0·6	0·3	1·1	1·8	2·3	2·7	2·8	2·7	2·5	1·9	1·0	0·2	-0·6	-1·4	-2·2	2·7	-3·3	-3·5
	19	-4·0	-4·3	-4·5	-4·6	-4·4	-3·8	-3·1	-2·3	-1·5	-0·3	0·7	1·5	2·3	3·2	3·6	3·7	3·6	3·4	2·8	1·7	0·7	-0·3	-1.4	-2·3
	20	-3·3	-4·2	-4·8	-5·5	-5·7	-5·7	-5·4	-4·9	-4·0	-2·9	-1·8	-0·5	0·7	1·8	2·7	3·5	4·0	4·3	4·2	3·7	3·1	2·3	1·1	0·2
	21	-1·9	-3·0	-4·2	-5·3	-5·8	-6·2	-6·3	-6·1	-5·7	-5·0	-3·8	-2·5	-1·3	0·0	1·4	2·6	3·7	4·4	5·0	5·3	5·2	4·6	3·7	2·7
	22	0·0	-1·2	-2·7	-4·0	-5·2	-6·1	-6·8	-7·0	-6·8	-6·4	-5·7	-4·8	-3·6	-2·1	-0·7	1·0	2·3	3·6	4·5	5·3	5·7	5·7	5·3	4·7
	23	1·8	0·6	-1·2	-2·5	-3·8	-4·0	-5·0	-6·0	-6·8	-7·3	-7·3	-7·0	-6·4	-5·5	-3·0	-1·4	0·1	1·7	3·3	4·4	5·5	6·2	6·4	6.2
	24	3·4	2·4	0·9	-0·8	-2·3	-3·8	-5·0	-6·2	-7·0	-7·4	-7·6	-7·4	-6·9	-6·2	-5·0	-3·5	-2·2	-0·4	1·0	2·7	4·0	5·3	6·2	6·7
	25	3·7	2·8	1·4	0·0	-1·5	-3·2	-4·7	-5·7	-6·7	-7·1	-7·2	-7·1	-6·4	-5·7	-4·8	-3·4	-2·0	-0·7	1·0	2·4	3·8	4·8	5·8	6·5
	26	4·5	4·4	3·7	2·7	1·7	0·4	-1·3	-2·8	-4·3	-5·3	-6·2	-6·7	-6·8	-6·7	-6·2	-5·4	-4·6	-3·3	-2.0	-0·6	0·7	2·3	3·6	4·7
	27	3·7	4·0	4·0	3·5	2·6	1·6	0·0	-1·3	-2·7	-3·8	-4·7	-5·6	-6·0	-6·2	-6·1	-5·7	-5·0	-4·2	-3·2	-2·0	-0·9	0·4	1·7	2·9
	28	2·5	3·2	3·5	3.4	3·2	2·5	1·4	0·0	-1·0	-2·3	-3·4	-4·4	-5·1	-5·6	-5·8	-5·7	-5·2	-4·4	-3·7	-3·0	-2·0	-1·0	0·0	1·3
	29	1·1	1·9	2·4	2·8	2·9	2·7	2·1	1·2	0·3	-0·7	-1.6	-2·7	-3·6	-4·3	-4·7	-4·8	-4·7	-4·4	-4·0	-3·4	-2·6	-2·0	-1·0	0·0
	30	-0·3	0·6	1·3	1·7	2·1	2·3	2·2	1·8	1·3	0·4	-0·4	-1·2	-2·0	-2·8	-3·3	-3·7	-4·0	-4·0	-3·9	-3.6	-3·2	-2·4	-1·9	-1·4
	31	-1·6	-1·0	-0·4	0·3	0·7	1·4	1·7	1·9	1·8	1·6	1·1	0·7	0·0	-0·5	-1·0	-1·4	-1·8	-2·2	-2·3	-2·5	-2·5	-2·4	-2·2	-1·8

Bombay Mean Time.		HEIGHT OF THE TIDE *(in Feet) as taken from the Self-registering Tide Gauge.*																							
		12h.	30m	13h.	30m.	14h.	30m.	15h.	30m.	16h.	30m	17h.	30m.	18h.	30m.	19h.	30m.	20h.	30m.	21h.	30m.	22h.	30m.	23h.	30m
JUNE, 1846.	1	-2·0	-1·7	-1·3	-0·9	-0·3	0·2	0·7	1·2	1·5	1·7	2·0	2·0	2·1	1·9	1·6	1·3	0·8	0·4	0·0	-0·5	-0·7	-1·0	-1·2	-1·0
	2	-1·7	-1·6	-1·6	-1·5	-1·2	-0·7	-0·3	0·3	1·0	1·6	2·0	2·7	3·2	3·3	3·6	3·4	3·0	2·5	2·0	1·5	1·0	0·5	0·2	0·0
	3	-2·3	-2·7	-2·8	-2·8	-2·7	-2·5	-2·0	-1·3	-0·4	0·3	1·0	1·9	2·5	3·0	3·6	4·0	4·2	4·0	3·7	3·3	2·7	2·0	1·3	0.7
	4	-1·9	-2·7	-3·3	-3·7	-3·8	-3·8	-3·6	-3·0	-2·5	-1·5	-0·6	0·6	1·6	2·6	3·5	4·0	4·7	5·2	5·2	4·7	4·3	3·7	3·0	2·2
	5	-0·7	-1·9	-3·0	-3·7	-4·3	-4·8	-4·8	-4·5	-4·2	-3·3	-2·3	-1·0	0·0	1·2	2·5	3·5	4·4	5·0	5·7	6·3	6·2	5·7	5·3	4·5
	6	1·0	-0·4	-1·6	-3·0	-4·0	-4·7	-5·2	-5·3	-4·9	-4·4	-3·7	-2·7	-1·7	-0·5	0·7	2·3	3·7	4·7	5·6	6·4	7·0	6·8	6·7	6·3
	7	3·0	1·7	0·3	-1·1	-2·5	-3·7	-4·8	-5·7	-6·0	-5·8	-5·3	-4.6	-3·6	-2·7	-1·5	0·0	1·7	3·5	4·7	6·0	6·9	7·6	7·7	7·6
	8	5·1	4·0	2·7	1·0	-0·7	-2·4	-4·0	-5·3	-6·0	-6·7	-6·8	-6·5	-6·0	-5·0	-4·0	-2·3	-0·5	1·2	2·9	4·3	5·7	7·0	8.0	8·6
	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	6·3	6·0	5·2	3·8	2·0	0·5	-1·4	-3·2	-4·2	-5·7	-6·5	-7·0	-7·0	-6·5	-5·9	-4·7	-3·4	-1·8	-0·3	1·5	3·4	4·8	6·4	7·5
	11	5·8	6·2	6·4	6·0	5·0	3·5	1·9	0·3	-1·5	-3·0	-4·6	-5·7	-6·2	-6·5	-6·5	-6·0	-5·0	-4·2	-2·8	-1·5	0·4	2·0	3·8	5·3
	12	5·0	5·7	6·3	6·4	6·2	5·5	4·6	2·8	1·2	-0·7	-2·2	-3·6	-4·6	-5·3	-5·6	-5·8	-5·7	-5·3	-4·4	-3·5	-2·0	-0·8	1·0	2·5
	13	2·0	3·5	4·5	5·2	5·8	6·0	5·6	4·7	3·6	2·3	1·0	-0·8	-2·0	-3·3	-4·3	-4·7	-5·0	-5·0	-4·7	-4·1	-3·2	-2·3	-0·9	0·4
	14	0·0	1·0	2·0	3·0	3·8	4·5	4·8	4·8	4·5	4·0	3·0	1·7	0·7	-0·6	-1·7	-2·7	-3·4	-4·0	-4·1	-3·9	-3·3	-2·7	-2·0	-1·0
	15	-1·8	-1·3	-0·5	0·7	1·7	2·6	3·6	4·2	4·6	4·7	4·6	4·1	3·4	2·4	1·5	0·5	-0·4	-1·2	-1·7	-2·0	-2·2	-2·2	-2·0	-1·7
	16	-3·2	-2·8	-2·5	-2·0	-1·3	-0·3	1·0	2·0	2·9	3·7	4·2	4·7	4·7	4·5	3·9	3·3	2·5	1·7	1·2	0·5	-0·4	-0·8	-1·3	-1·4
	17	-3·5	-3·5	-3·7	-3·5	-3·3	-2·6	-1·8	-1·0	0·3	1·4	2·4	3·3	4·0	4·6	4·7	4·5	4·3	3·7	3·0	2·3	1·5	0·8	0·0	-0·5
	18	-2·7	-3·3	-3·7	-4·2	-4·3	-4·0	-3·5	-2·8	-2·0	-1·0	0·0	1·3	2·2	3·3	4·3	5·0	5·4	5·6	5·3	4·7	4·4	3·6	2·5	1·5
	19	-1·0	-2·3	-3·1	-3·8	-4·3	-4·4	-4·3	-4·0	-3·5	-2·7	-1·7	-0·6	0·5	1·8	2·8	4·0	5·0	5·6	6·0	6·1	6·0	5·6	4·8	4·0
	20	0·4	-0·9	-2·0	-3·0	-3·9	-4·5	-4·8	-4·7	-4·4	-4·0	-3·3	-2·3	-1·0	0·2	1·6	2·8	4·0	5·0	5·8	6·4	6·6	6·4	6·0	5·3
	21	2·2	0·6	-0·7	-2·0	-3·0	-4·0	-4·7	-5·3	-5·3	-5·2	-4·7	-4.0	-3·0	-2·0	-0·6	0·9	2·3	3·7	4·8	5·7	6·5	7·0	7·0	6·6
	22	3·6	2·5	1·3	-0·3	-1.4	-2·6	-3·7	-4·6	-5·0	-5·2	-4·9	-4·4	-3·9	-3·0	-1·8	-0·5	0·9	2·3	3·6	4·7	6·0	6·7	7·2	7·2
	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	4·7	4·0	2·8	1·5	0·1	-1·2	-2·3	-3·5	-4·3	-4·8	-5·0	-4·9	-4·5	-4·0	-3·2	-2·3	-1·2	0·1	1·7	3·3	4·8	6·0	6·7	7·0
	25	5·2	4·6	3·9	2·9	1·5	0·0	-1·1	-2·3	-3·3	-4·2	-4·6	-4·7	-4·6	-4·4	-4·0	-3·5	-2·3	-1·0	0·1	1.2	2·7	4·2	5·3	6·4
	26	4·4	4·9	5·1	4·9	4·5	3·5	2·3	1·1	0·0	-1·1	-2·0	-2·8	-3·3	-3·6	-3·6	-3·4	-2·9	-2·0	-1·0	0·0	1·0	2·0	3·0	4·0
	27	3·2	4·0	4·6	5·0	5.0	4·6	3·9	2·9	1·7	0·7	-0·6	-1·7	-2·4	-3·0	-3·3	-3·4	-3·0	-2·5	-2·0	-1·4	-0·6	0·3	1·4	2·2
	28	2·0	2·9	3·6	4·2	4·3	4·3	4·0	3·5	2·6	1·8	0·8	-0.2	-1·1	-2·0	-2·6	-2·7	-2·7	-2·4	-2·0	-1·5	-1·0	-0·2	0·6	1·4
	29	0·8	1·7	2·6	3·2	3·6	3·9	4·0	3·8	3·3	2·7	2·0	1·2	0·4	-0·2	-1·1	-1·7	-1·9	-1·9	1·7	-1·3	-1·0	-0·4	0·0	0·6
	30	-0·5	0·3	1·0	1·6	2·2	2·9	3·1	3·3	3·3	3·1	2·8	2·2	1·7	1·0	0·3	-0·2	-0·6	-0·9	-1·0	-1·0	-1·0	-0·8	-0·5	0.1
	31																								

HEIGHT OF THE TIDE *(in Feet) as taken from the Self-registering Tide Gauge.*

Bombay Mean Time.	Noon.		1h.	30m.	2h.	30m.	3h.	30m.	4h.	30m	5h.	30m.	6h.	30m.	7h.	30m	8h.	30m	9h.	30m	10h.	30m.	11h.	30m.
	0h.	30m.																						
JULY, 1846. 1	0·3	0·9	1·3	2.1	2·9	3·5	4·2	4·6	4·8	4·8	4·5	4·0	3·2	2·4	1·5	0·6	-0·2	-0·8	-1·3	-1·7	-2·1	-2·3	-2·2	-2·0
2	-0·3	0·0	0·6	1·0	1·6	2·2	2·8	3·4	3·9	4·2	4·3	4·2	3·7	3·1	2·5	1·7	1·0	0 2	-0.5	-1·1	-1.8	-2·2	-2·5	-2·8
3	-0·6	-0·5	-0·2	0·2	0·8	1·3	2·0	2·6	3·0	3·5	3·8	4·0	4·1	3·9	3·5	3·0	2·3	1·5	0.8	0·0	-0·8	-1·2	-1·8	-2·1
4	0·3	0·0	-0·2	-0·3	-0·2	0·0	0·4	1·0	1·5	2·1	2·7	3·1	3·5	3·7	3·7	3·5	3·1	2·4	1·8	0·8	0·2	-0·5	-1·2	-2·1
5	1·0	0·5	0·0	-0·3	-0·4	-0·4	-0·3	0·0	0·5	1·0	1·5	2·1	2·7	3·2	3·7	3·9	3·9	3·7	3·3	2·7	1·9	1·1	0·2	-0·6
6	2·6	1·9	1·1	0·5	0·0	-0.3	-0·6	-0·7	-0·5	-0·2	0·2	0·6	1·2	1·9	2·7	3·3	3·9	4·2	4·3	4·2	3·9	3·3	2·5	1·5
7	5·0	4·0	2·7	1·4	0·6	-0·4	-1·1	-1·4	-1·7	-1·6	-1·3	-1·0	-0·3	0·3	1·1	2·1	3·0	4·0	4·7	5·1	5·4	5·3	5·0	4·0
8	7·0	6·0	5·0	3·5	2·1	0·9	-0·3	-1·0	—	—	—	—	—	—	—	—	—	2·8	3.7	4·9	5·7	6·3	6·3	6·0
9	8·1	7·5	7·0	6·0	4·5	2·0	1.5	0·2	-1·0	-2·0	-2·8	-3·3	-3·4	-3·2	-2·9	-2·2	-1·0	0·2	1·7	3·0	4·2	5·0	5·9	6·4
10	8·5	8·6	8·2	7·6	6·7	5·2	3·3	1·7	-0·2	-1·7	-2·9	-3·5	-4·1	-4·1	-4·0	-3·5	-2·8	-1·7	-0·2	1·1	2·5	3·9	5·0	6·1
11	8·1	8·8	9·2	9·0	8·4	7·5	6·1	4·4	2·5	0·7	-1·0	-2·3	-3·2	-3·8	-4·2	-4·3	—	—	—	—	0·0	1·5	2·9	4·2
12	5·9	7·1	7·9	8·6	8·7	8·6	7·9	6·8	5·4	3·9	1·8	0·1	-1·5	-2·4	-3·4	-4·1	-4·4	-4·5	-4.1	-3·6	-2·8	1·7	-0·4	1·0
13	3·0	4·7	5·8	6·9	7·7	8·0	8·0	7·6	6·9	5 8	4·4	2·7	1·0	-0·8	-2·1	-3·1	-3·9	-4.5	-4·7	-4·5	-4·2	-3·4	-2·3	-1·4
14	1·3	2·5	3·7	4·9	5·9	6·7	7·4	7.5	7.3	6·7	5·7	4·8	3·2	1·7	0·0	-1·3	-2·4	-3·3	-4·1	-4·3	-4·4	-4·3	-3·9	-3·3
15	-0·2	0·6	1·6	2·7	3·8	4·8	5·5	6·1	6·4	6·2	5·8	5·1	4·1	3·1	2·0	0·8	-0·5	-1·5	-2·6	-3·3	-3·8	-4·1	-4·1	-3·9
16	-0·7	-0·4	0·1	0·7	1·5	2·3	3·1	3·9	4·5	5·0	5·2	5·1	4·8	4·2	3·2	2·2	1·1	0·3	-0·5	-1·3	-2·1	-2·8	-3·4	-3·7
17	-0·4	-0.7	-0·8	-0·6	-0·3	0.2	0·8	1·6	2·1	2·8	3·2	3·7	3·9	3·8	3·6	3·1	2·4	1·7	0·8	0·0	-0·8	-1·5	-2·2	-2·7
18	0·5	0·1	-0·2	-0·3	-0·4	-0·3	-0·1	0·1	0·6	1·0	1·6	2·1	2·7	3·1	3·5	3·7	3·6	3·1	2·5	1·8	1·0	0·3	-0·4	-1·1
19	1·8	1·1	0·7	0·3	-0·1	-0.3	-0·4	-0·4	-0·3	0·0	0·6	1·1	1·8	2·4	3·0	3·4	3 7	3·7	3·4	3·0	2·5	1·8	1·0	0·3
20	3·2	2·3	1·5	0·8	0·2	-0·3	-0·6	-0·8	-0·9	-0·7	-0·8	-0·5	0·0	0·6	1·5	2·2	2·9	3·6	3·9	4·1	4·0	3·7	3·1	2·2
21	5·2	4·3	3·5	2·5	1·5	0·7	0·0	-0·6	-1·0	-1·2	-1·2	-1·0	-0·6	-0·1	0·4	1·3	2·3	3·1	3·8	4·3	4·6	4·5	4·1	3·5
22	6·3	5·8	5·0	3·9	2·7	1·5	0·6	-0·3	-1·0	-1·4	-1·6	-1·5	-1·3	-1·1	-0·6	-0·1	0·7	1·4	2·5	3·4	4·2	4·7	5·2	5.3
23	7·0	6·5	5.9	5·1	4·1	2·9	1·6	0·4	-0·6	-1·2	-1.8	-2·1	-2·0	-1·7	-1·3	-0·7	0·0	0·8	1·7	2.5	3·5	4·3	4·9	5·3
24	7·0	7·1	6·8	6·2	5·4	4·2	2·8	1·4	0·1	-0·9	-1·7	-2·3	-2·4	-2·3	-2·1	-1·7	-1·1	-0·3	0·7	1·5	2·7	3·6	4·5	5·0
25	6·6	6·9	7·0	6·7	6·0	5·0	3·7	2·6	1·1	0·0	-1·0	-1·8	-2·4	-2·7	-2·7	-2·5	-2·0	-1·2	-0·3	0·6	1·7	2·6	3·7	4·6
26	5·8	6·5	6·9	7·1	6·7	6·0	5·2	4·1	2·8	1.4	0·0	-1·1	-2·1	-2·9	-3·1	-3·1	-2·9	-2.3	-1·6	-0·8	0·3	1·2	2·3	3·5
27	4·7	5·6	6·3	6·7	6·7	6·4	5·7	4·7	3·7	2·5	1·2	0·0	-1·2	-2·1	-2·7	-3·0	-3·1	-2·8	-2·2	-1·5	-0·4	0·5	1·4	2·3
28	3·5	4·5	5·3	6·0	6·3	6·3	6·0	5·4	4·3	3·1	2·0	0·8	-0·2	-1·0	-1·9	-2·3	-2·9	-3·0	-2·9	-2·4	-1·8	-1·0	0·0	0·9
29	2·6	3·3	4·1	4·9	5·5	5·9	6·0	5·8	5·3	4·5	3·6	2·5	1·1	0·0	-1·0	-1·9	-2·5	-2·9	-3·0	-2·8	-2·3	-1·8	-1·1	0·3
30	1·8	2·3	3·0	3·7	4·3	4·8	5·2	5·4	5·4	5·0	4·3	3·3	2·0	1·0	-0·1	-1·0	-2·0	-2·5	-2·9	-3·1	-3·1	-2.8	-2·4	-1·9
31	1·3	0·7	2·3	2·8	3·3	3·8	4·2	4·6	4·7	4·6	4·2	3·7	2·9	2·1	1.3	0 4	-0·5	-1·2	-1·9	-2·3	-2·6	-2·7	-2·7	-2·5

HEIGHT OF THE TIDE *(in Feet) as taken from the Self-registering Tide Gauge.*

Bombay Mean Time.	Noon.		1h.	30m.	2h.	30m.	3h.	30m.	4h.	30m.	5h.	30m.	6h.	30m.	7h.	30m.	8h.	30m	9h.	30m.	10h.	30m	11h.	30m
	0h.	30m																						
AUGUST, 1846. 1	0·8	1·1	1·4	1·7	2·2	2·7	3·0	3·4	3·7	3·8	3·9	3·8	3·6	3·2	2·6	1·8	1·0	0·3	-0·5	-1.2	-1·8	-2·1	-2·2	2·3
2	0·3	0·2	0·3	0·6	0·9	1·3	1·9	2·3	2·7	3·1	3·4	3·7	3·8	3·7	3·2	2·8	2·2	1·6	0·9	0·0	-0·7	-1·3	-2·0	-2·4
3	1·0	0·5	0·2	0·0	0·0	0·1	0·3	0·7	1·0	1·4	2·0	2·4	2·9	3·2	3·7	3·8	3·8	3·6	3·0	2·4	1·7	1·0	0·0	-0·9
4	2·1	1·3	0·7	0·0	-0·4	-0·6	-0.6	-0·4	-0·2	0·2	0·7	1·2	1·8	2·5	3·0	3·7	4·0	4·3	4·3	4·2	3·7	3·1	2·2	1·2
5	4·3	3·3	2·1	1·1	0·0	-0·7	-1·2	-1·3	-1·4	-1·3	-1·0	-0·6	0·0	0·8	1·7	2·7	3·6	4·3	5·0	5·4	5·6	5·2	4·6	3·7
6	6·3	5·3	4·1	2·5	1·0	0 0	-1·0	-1·8	-2·2	-2·3	-2·2	-1·7	-1·2	-0·5	0·2	1·0	2·0	3 0	4·2	5·3	5·9	6·2	5·8	5·2
7	7·5	6·8	5·6	4·1	2·4	1·0	-1·0	-2·3	-3·4	-4·2	-4·7	-4·8	-4·7	-4·3	-3·2	-2·1	-0·8	0·7	2·4	3·8	5·0	6·0	6·7	6·7
8	8·4	8·2	7·5	6·3	5·0	3·3	1·5	-0-4	-2·0	-3.2	-4·1	-4·9	-5.6	-5·8	-5·6	-4·8	-3·8	-2·7	-1·0	0.7	2·4	3·9	5·2	6·3
9	7·9	8·2	8·1	7·7	6·8	5·5	3·8	2·0	0·0	-1·5	-3·0	-4 3	-5·2	-5·7	-6·0	-5·9	-5·4	-4·7	-3·3	-2·1	-0·4	1·0	3 0	4·5
10	6·3	7·4	8·0	8·0	7·8	7·0	5·9	4·6	2·8	0·6	-1.2	-2.8	-4·2	-5·1	-5·8	-5·9	-5·9	-5·7	-5·2	-4·3	-2·9	-1·4	0·3	2·0
11	3·9	5·2	6·5	7·2	7·7	7·4	6·9	5·9	4·6	3·0	1 2	-0·5	-2·3	-3·5	-4·8	-5·3	-5·6	-5·4	-5·1	-4·7	-4·0	-3·2	-2·0	-0·9
12	1·9	3·0	4·3	5·3	6·2	6·7	6·7	6·2	5.5	4·6	3·3	1.8	0·3	-1·0	-2·3	-3·4	-4·3	-4·8	-5·1	-5.1	-4·8	-4·2	-3·5	-2·6
13	0·0	0·9	2·0	2·9	3·8	4·5	5·0	5·2	5·1	4·7	4·0	3·0	2·0	1·0	-0.2	-1·2	-2·1	-2·8	-3·3	-3·5	-3·6	-3·4	-3·0	-2·5
13	-1·8	-1·0	0·0	0·7	1·6	2·3	3·0	3·5	3·8	3·9	3·9	3·7	3·2	2·7	1·8	1·0	0·5	-0·1	-0·7	-1·0	-1·3	-1·5	-1·7	-1·7
15	-3·0	-2·6	-2·1	-1·5	-0·8	-0·1	0·6	1·2	1·9	2·6	3·0	3·4	3·7	3·7	3·4	3·1	2·7	2·1	1·7	1·1	0·6	0·0	-0·4	-0·7
16	-2·9	-3·0	-3·0	-2·8	-2·5	-2·0	-1·3	-0.8	0·0	0·7	1·3	1·9	2·5	3.0	3·2	3·3	3·3	3·2	3·0	2·7	2·2	1·7	1·0	0·5
17	-2·2	-2·6	-2·9	-3·1	-3·1	-3·0	-2·7	-2·3	-1·7	-1·0	-0·1	0·7	1·5	2·1	2·8	3·3	3·7	3·9	3·9	3·8	3·5	3·0	2·5	1·9
18	-1·0	-1·9	-2·7	-3·2	-3·6	-3·7	-3·7	-3·3	-2·8	-2·2	-1·5	-0·8	0·1	1·0	2·0	2·8	3·5	4·1	4·5	4.7	4·5	4·3	3·9	3·1
19	0·4	-0·4	-1·3	-2·1	-3·0	-3·6	-3·9	-4·0	-3·7	-3·2	-2·5	-1·7	-0·7	0·0	1·1	2·0	3.0	3·8	4·7	5.1	5·3	5 2	4·9	4·3
20	2·1	1·2	0·0	-1·0	-1·9	-2·7	-3·4	-4·0	-4·1	-4·0	-3·7	-3·1	-2·3	-1·5	-0·5	0·6	1·8	2·8	3·8	4·6	5·2	5·6	5·6	5·3
21	3·4	2·7	1·6	0 3	-1·0	-2·0	-2·9	-3·5	-4·2	-4·4	-4·3	-4·0	-3·4	-2·9	-1·9	-0·7	0·5	1·5	2·9	4·0	4·9	5·5	5·8	5·9
22	4·4	3·7	2·7	1·6	0·2	-1·0	-2·2	-3·1	-3·9	-4·2	-4·6	-4·4	-4·2	-3·5	-2·6	-1·7	-0·7	0·5	1·7	3·0	4·1	5 2	5·9	6·2
23	5·2	4·7	4 0	3·0	1·6	0.3	-1·0	-1·6	-2·6	-3·6	-4·0	-4·4	-4·6	-4·5	-4·2	-3 8	-3·0	-2·0	-1·0	0·1	1·3	2·6	3·6	4·3
24	5·3	5·7	5·6	5·0	4·3	3·2	2·0	0·5	-1·0	-2·3	-3·3	-4·0	-4·7	-4·8	-4·7	-4·3	-3·8	-3·0	-2·0	-1·0	0·3	1·4	2·6	3·7
25	4·4	5·2	5·4	5.3	4·8	4·0	3·0	1·9	0·6	-1·0	-2·3	-3·1	-4·2	-4·7	-4.9	-4·7	-4·3	-3·7	-3·0	-2·0	-1·0	0·2	1·3	2·5
26	3·4	4·3	4·9	5·2	5·1	4·6	3·7	2·7	1·5	0·1	-1·1	-2·3	-3·3	-4·1	-4·6	-4·9	-4·7	-4·3	-3·7	-2·9	-2·1	-1·2	-0·2	1·0
27	2·0	3·0	3·8	4·4	4·6	4·6	4·2	3·4	2·4	1·3	0·0	-1·3	-2·5	-3·4	-4·2	-4·7	-4·8	-4·8	-4·5	-4·1	-3.5	-2·7	-1·8	-0·8
28	0·9	1·7	2·5	3·3	3·7	3·9	3·9	3·7	3·0	2·0	1·0	0·0	-1·3	-2·3	-3·3	-4·0	-4·4	-4·6	-4·6	-4·4	-4·0	-3·5	-2·8	-2·1
29	0·0	0·6	1·1	1·7	2·3	2·8	3·1	3·2	3·0	2·6	1·9	1·0	0·0	-0·8	-1·7	-2·5	-3·3	-3·7	-4·2	-4·3	-4·3	-4·1	-3·7	-3·0
30	-0·7	-0.4	0.0	0·5	0·9	1·3	1·8	2·3	2·4	2·5	2·3	1·8	1·2	0·4	-0·3	-1·0	-1·7	-2·5	-3·1	-3.6	-3·9	-4·2	-4·2	-4·0
31	-1·0	-1·0	-1·0	-0·8	-0·6	-0·2	0·3	0·7	1·2	1·6	1·8	1·9	1·9	1·7	1·3	0·8	0·3	-0·3	-1·0	-1·7	-2·3	-2·9	-3·3	-3·4

HEIGHT OF THE TIDE *(in Feet) as taken from the Self-registering Tide Gauge.*

Bombay Mean Time.		12h·	30m.	13h·	30m	14h·	30m·	15h·	30m	16h·	30m.	17h·	30m.	18h·	30m	19h	30m	20h·	30m.	21h·	30m.	22h·	30m.	23h·	30m.
JULY, 1846.	1	-1·7	-1·4	-0·7	0·0	0·6	1·3	2·0	2·5	3·0	3·2	3·2	3·0	2·7	2·0	1·5	1·0	0·4	0.0	-0·3	-0·6	-0·9	-0·9	-0·9	-0·6
	2	-2·7	-2·5	-1·9	-1·3	-0·8	-0·1	0·6	1.2	1·8	2·4	2·8	3·1	3·2	3·2	3·0	2·7	2·3	1·7	1·4	1·0	0·6	0·1	-0·2	-0·4
	3	-2·3	-2·4	-2·5	-2·3	-2·1	-1·7	-1·2	-0·5	0·1	1·0	2·0	2·6	3·2	3·6	3·8	3·8	3·7	5·5	3·1	2·7	0·1	1·6	1·0	0·6
	4	-3·0	-3·4	-3·7	-3·8	-3·7	-3·3	-2.9	-2·1	-1·3	-0·5	0·5	1·3	2·3	3·1	3·8	4·3	4·5	4·5	4·3	4·0	3·5	3.0	2·4	1·7
	5	-1·5	-2·9	-3·8	-4·2	-4·4	-4·1	-4.3	-3·9	-3·2	-2·4	-1·3	-0·2	1·0	2.0	3.1	4·0	4·9	5·5	5·7	5·6	5·3	4·9	4·2	3·5
	6	0·2	-1·2	-2.4	-3.7	-4·5	-5·0	-5·2	-5·1	-4·9	-4·3	-3·6	-2·5	-1·2	-0·1	1·0	2·3	3·5	4·7	5·6	6·2	6·4	6·4	6·1	5·7
	7	3·0	1·5	-0·4	-2·0	-3·5	-4·6	-5·3	-6·0	-6·0	-5·9	-5·5	-5·0	-4·0	-2·8	-1·5	0·0	1·7	3·5	5·0	6·5	7·4	7·9	8·0	7·7
	8	5·0	3·7	2·1	1 1	0·0	-1·5	-2·9	-4·1	-5·1	-5·6	-5·8	-5·7	-5·3	-4·6	-3·4	-2·0	-0·5	1·3	3·0	4·7	6·3	7.4	8·0	8·3
	9	6·2	5·5	4·4	3·0	1·5	-0·3	-2·0	—	—	—	—	—	—	—	—	—	-2·9	-1·2	0·4	2·1	4·0	5·6	7·0	8·0
	10	6·8	7·0	6·5	5·5	4·4	2·7	1·0	-1·0	-2·8	-4·0	-5·1	-5·7	-6·0	-6·0	-5·7	-5·2	-4·3	-3·2	-1·8	0 0	2·0	3·7	5·4	7·0
	11	5·7	6·7	7·2	7·1	6·5	5·5	4·0	2·5	0·6	-1·5	-3·2	-4·5	-5·4	-5·9	-6·0	-5·7	-5·2	-4·4	-3·3	-2·0	-0·6	1·0	2·6	4.3
	12	3·0	4·4	5·4	6·2	6·7	6·7	6·1	5·1	4·0	2·7	1·0	-0·5	-2·0	-3·4	-4·4	-5·0	-5·1	-5·0	-4·5	-3·8	-2·5	-1·3	0 0	1·3
	13	0·5	2·0	3·2	4·4	5·3	6·0	6·3	6·0	5·7	5.0	4·0	2·6	1·3	0·0	-1·3	-2·3	-3·1	-3·6	-3·7	-3·5	-3·2	-2·5	-1·2	0·0
	14	-2·4	-1·1	-0·1	1·1	2 1	3·2	4·0	4·7	5·0	5·0	4·7	4·1	3·4	2 3	1·3	0·2	-0·9	-1·3	-1·7	-2·1	-2·1	-1·9	-1·6	-1·0
	15	-3·4	-2·7	-1·9	-1·0	-0·1	0·9	1·7	2·5	3·4	4·1	4·5	4·7	4·4	4·1	3·5	2·7	1·9	1·0	0·4	0·0	-0·3	-0·7	-0·8	-0·8
	16	-3·9	-3·6	-3·1	-2·5	-1·7	-1·0	-0·1	0·7	1·4	2·1	3·0	3.7	4·1	4·5	4·4	4·1	3·7	3·2	2·7	2·0	1·5	0·9	0·4	0·0
	17	-3·1	-3·3	-3·4	-3·3	-3·2	-2.7	-2·1	-1·4	-0·5	0·1	1·1	2 0	2·9	3.7	4·2	4·7	4·7	4·4	4·1	3·6	3·0	2·3	1·7	1·1
	18	-1·8	-2·3	-3·0	-3·3	-3.5	-3·4	-3·2	-2 9	-2·3	-1·6	-0·8	0·2	1·3	2·3	3·3	4·0	4·6	5·0	5·1	4·9	4·7	4·0	3·2	2·5
	19	-0·6	-1·4	-2·0	-2·6	-3·4	-3·9	-4·1	-4·1	-3·9	-3·2	-2·4	-1·5	-0·4	0·7	2·0	3·1	4·1	5·1	5·7	6·0	5·9	5·5	5·0	4·2
	20	1·0	0·0	-1·0	-2·0	-3·0	-3·7	-4·1	-4·2	-4·1	-3·8	-3·2	-2·5	-1·8	-0·7	0·5	1·6	2·8	4·0	5·0	5·7	6·3	6·5	6·3	6·0
	21	2·5	1·6	0·7	-0·3	-1·6	-2·8	-3·7	-4·5	-4·9	-4·8	-4·3	-3·5	-2·7	-1·8	-0·7	0·5	1·7	3·0	4·1	5·2	6·0	6·7	6·8	6·7
	22	5·1	4·2	2·3	0·9	-0·2	-1·5	-2·7	-3·6	-4·4	-4·8	-4·8	-4·7	-4·3	-3·7	-2·6	-1·5	-0·4	0·8	2·1	3·3	4·6	5 6	6·4	7·0
	23	5·4	4·9	3·8	2·6	1·4	0·0	-1·2	-2·2	-3·2	-3·9	-4·3	-4·4	-4·2	-3·8	-3·0	-2·2	-1·1	0·0	1·1	2·4	3·6	4·9	5·9	6·6
	24	5·4	5·4	5·0	4·0	2·9	1·5	0·0	-1·2	-2·1	-2·9	-3·6	-4·0	-4·1	-3·9	-3·3	-2·7	-1·8	-0·9	0·3	1·3	2·7	3·9	5·0	6·0
	25	5·4	5·6	5·5	5·2	4·5	3·5	2·1	1·0	-0·4	-1·4	-2·5	-3·1	-3·6	-3·8	-3 7	-3·3	-2·7	-1·8	-0·7	0·2	1·3	2·6	3·7	4·8
	26	4·6	5·3	5·5	5·4	5·0	4·3	3·5	2·3	1·0	-0·1	-1·5	-2·3	-3·1	-3·5	-3·5	-3·4	-3·0	-2·3	-1·5	-0·6	0·4	1·4	2·6	3·6
	27	3·4	4·4	5·1	5·4	5·4	4·9	4·3	3·3	2·3	1·3	0·1	-0·8	-1·8	-2·3	-2·8	-2·9	-2·8	-2·5	-1·9	-1·1	-0·2	-0·7	1·6	2·5
	28	2·0	2·9	3·9	4·5	5·0	5·2	5·0	4·6	3·7	2·9	1·9	1 0	0·0	-0·8	-1·4	-1·7	-1·7	-1·6	-1·3	-1·0	-0·4	-0·3	1·0	1·8
	29	1·0	2·0	2·7	3·2	3·7	4·1	4·3	4·3	4·0	3·5	3·0	2·2	1·4	0·7	0·0	-0·6	-0·9	-1·0	-1·0	-0·8	-0·4	0·0	0·6	1·2
	30	-0·8	0·3	1·2	1·9	2·6	3·1	3·6	3·8	3·9	3·8	3·4	3·0	2·5	2·0	1·5	1·0	0·6	0·3	0·0	0·0	0·0	0·2	0·6	0·9
	31	-2·1	-1·3	-0.6	0·1	0·9	1·6	2·1	2·6	3·1	3·5	3·7	3·7	3·4	3·2	2·8	2·5	2·1	1·8	1·4	1·0	0·8	0·7	0·6	0·7

HEIGHT OF THE TIDE *(in Feet) as taken from the Self-registering Tide Gauge.*

Bombay Mean Time.		12h·	30m	13h·	30m.	14h·	30m.	15h·	30m.	16h	30m.	17h·	30m	18h	30m	19h·	30m	20h·	30m.	21h·	30m	22h·	30m.	23h·	30m.
AUGUST, 1846.	1	-2·3	-1·9	-1·5	-1·0	-0·5	-0·1	0·5	1·1	1·8	2·5	3·0	3·5	3·7	3·9	3·8	3·7	3·4	3·0	2·7	2·3	1·8	1·4	0·9	0·4
	2	-2·8	-2·9	-3·0	-2·8	-2·5	-2·0	-1·3	-0·6	0·3	0·9	1·8	2·6	3·3	3·8	4·2	4·4	4·3	4·2	4·0	3·6	3·1	2·7	2·0	1·5
	3	-2·0	-3·2	-3·9	-4·2	-4·2	-4·0	-3·5	-2·8	-2.0	-1·2	-0·2	0·8	1·9	2·8	3·7	4·5	5·2	5·5	5·6	5·3	5·0	4·3	3·7	2·8
	4	-0·6	-2·0	-3·0	-3·8	-4·5	-4·9	-5·1	-5·0	-1·4	-3·7	-2·6	-1·6	-0·2	1·0	2 2	3·4	4·6	5·6	6·3	6·6	6·7	6·5	6·0	5·3
	5	2.3	0·7	-0·7	-2·0	-3·0	-3·8	-4·5	-5·0	-5·2	-5·0	-4·3	-3·6	-2·7	-1·7	-0·3	1·0	2·6	4·0	5·5	6·7	7·4	7·8	7·7	7·2
	6	4·2	2·7	1·0	-0·6	-2·3	-4·0	-5·2	-6·1	-6·9	-7·1	-6·8	-6·2	-5·2	-4·2	-3·5	-1·2	0.5	2·0	3·8	5·5	7·0	7·7	8·0	8·0
	7	6·2	5 3	4·2	2·6	1·0	-1·3	-3·1	-4·7	-6.0	-7·0	-7·4	-7·4	-7·2	-6·3	-5·0	-3·8	-2·0	-0·4	1·5	3·4	5·0	6·6	7·6	8·2
	8	7·0	7·0	6·5	5·7	4·4	2·7	0·7	-1·4	-3·2	-4·3	-5·7	-6·2	-6·6	-6·6	-6·1	-5·3	-4·0	-2·9	-1.3	0·5	2.0	4 0	5·8	7.1
	9	5·8	6·9	7·2	6·9	6·3	5·2	3·8	2·2	0.1	-1·4	-3·0	-4·0	-4·9	-5·3	-5·4	-5 2	-4·7	-4·0	-2·9	-1.7	-0.3	1·4	3·1	4·8
	10	3·6	5·2	6·3	7·0	7·2	6·7	5·9	4·8	3·2	1·8	0·0	-1·9	-3·4	-4·3	-5·0	-5·2	-5·1	-4.7	-4·0	-3·2	-2·0	-0·7	0·7	2.4
	11	1·0	2·5	3·9	4·9	5·8	6·2	6·2	5·8	5·0	4·0	2·4	1·2	-0·1	-1·3	-2·7	-3·4	-4·0	-4·2	-4·0	-3·7	-3·0	-2·0	-0.6	0·7
	12	-1·4	0·0	1·2	2·3	3·4	4·3	4·9	5·2	5.2	4·8	3·7	2·1	1·2	0·0	-1·0	-1·9	-2.7	-3·2	-3·6	-3·7	-3·4	-3·0	-2·2	-1·2
	13	-2·0	-0·9	0·2	1·2	2·2	3·0	3·8	4·2	4·4	4·3	4·1	3·5	2·4	1·7	0·6	-0·2	-1·0	-1·9	-2·7	-3·2	-3·4	-3·3	-3·0	-2·4
	14	-1·5	-1·3	-0·7	0·0	1·0	2·0	2·8	3·4	3·8	4.0	3·8	3·5	2·8	2·1	1·2	0·6	-0·3	-1·0	-1·7	-2·3	-2·8	-3·1	-3·2	-3·1
	15	-0·8	-0·9	-0·8	-0·4	0·2	0·8	1·4	1·9	2·4	2.7	3·0	3·0	2·9	2·7	2 3	1·7	1·0	0·4	-0·2	-0·9	-1·5	-1·9	-2·3	-2·7
	16	0·0	-0·3	-0·5	-0·5	-0·4	-0·2	0·1	0·4	0·8	1·2	1·6	1·8	2·0	2·1	2·2	2·1	1·9	1·7	1·3	0.7	0·2	-0·4	-1·0	-1·7
	17	1·0	0·5	-0·1	-0·5	-0·8	-0·9	-0·8	-0·6	-0·2	0·1	0·6	0·9	1·4	1·7	2·1	2·3	2·4	2·4	2·3	2·1	1·7	1·3	0·7	0·3
	18	2·2	1·5	0·7	0·0	-0·5	-1·0	-1·3	-1·4	-1·3	-1·2	-0·8	-0.3	0·3	1 0	1·5	2·0	2·6	2·9	3·1	3·1	2·9	2·5	1·9	1·3
	19	3·3	2 4	1·5	0.6	-0·2	-0·8	-1·2	-1·4	-1·6	-1·5	-1·4	-1·2	-0·8	-0·2	0·5	1·2	2.2	2·7	3·3	3·7	3·9	3·8	3·4	2·8
	20	4·7	3·5	2·6	1·6	0.6	-0·2	-0·9	-1·4	-1·8	-2·1	-2·2	-2·0	-1·7	-1·1	-0·4	0·3	1·3	2.0	3·0	3·7	4·2	4·4	4·4	4.0
	21	5·5	4·5	3·6	2·4	1·4	0·4	-0·6	-1·4	-2·0	-2·4	-2·8	-2·9	-2·7	-2·3	-1·7	-1·0	0·0	0·9	2·0	2·9	3·9	4·5	4·8	4·7
	22	6·3	6·0	5·7	4·8	3·6	2·1	0·7	-1·0	-2.0	-2·7	-3·2	-3·4	-3·5	-3·3	-3.0	-2·3	-1.3	-0·3	1·0	2·0	3·2	4·0	4·8	5·2
	23	4·7	4·8	4·6	3·7	2·8	1·6	0·0	-1·2	-2·3	-3·4	-4·4	-4·9	-5·2	-5·1	-4·6	-4·0	-3·3	-2·2	-1·2	0·0	1·2	2·6	3·7	4·7
	24	4·3	4·7	4·9	4·6	4·0	3·0	1.8	0·4	-1·0	-2·2	-3·1	-3·9	-4·3	-4·7	-4·7	-4·3	-3·7	-2·8	-1·9	-0·7	0·3	1·5	2·6	3·7
	25	3·5	4·2	4·6	4·9	4·7	4·0	3·0	1·9	0·6	-0·7	-2·0	-2·7	-3·4	-4·0	-4·2	-4·1	-3·7	-3·2	-2·5	-1·8	-0·8	0·3	1·3	2·7
	26	2·0	3·0	3·8	4·3	4·6	4·3	3·8	3·0	2·0	1·0	-0·3	1·3	-2·2	-2·7	-3·0	-3·2	-3·2	-3·0	-2·7	-2·0	-1·3	-0·5	0·3	1·3
	27	0·3	1·4	2·3	3·2	3·7	3·9	3·8	3·6	3·0	2·1	1·3	0·5	-0·5	-1·3	-1·8	-2·1	-2·3	-2.4	-2·3	-2·2	-1·8	-1·2	-0·6	0·3
	28	-1·3	-0·5	0·5	1·4	2·2	2·8	3·2	3·4	3·3	3·0	2·5	1·8	1·0	0·3	-0·3	-0·8	-1·2	-1·5	-1·6	-1·6	-1·5	-1·3	-0·9	-0·4
	29	-2·5	-1·8	-1·0	-0 2	0·7	1·4	2·0	2·4	2·7	2·8	2·7	2·4	2·0	1·7	1·3	0·7	0·3	-0·1	-0·4	-0·6	-0·7	-0·8	-0,9	-0·8
	30	-3·8	-3·5	-3·0	-2·3	-1·4	-0·7	0·3	0·9	1·6	2·0	2·4	2·6	2·7	2·6	2·5	2.3	2·0	1.6	1·2	0·7	0·3	-0·1	-0·4	-0·8
	31	-3.5	-3·5	-3·4	-3·2	-2·9	-2.4	-1·9	-1·2	-0·4	0·5	1·3	2·0	2·7	3·0	3·2	3·3	3·2	3·0	2·7	2·1	1·7	1·0	0·4	-0·2

HEIGHT OF THE TIDE *(in Feet) as taken from the Self-registering Tide Gauge.*

Bombay Mean Time.		Noon		1h.	30m	2h.	30m.	3h.	30m.	4h.	30m.	5h.	30m.	6h.	30m.	7h.	30m.	8h.	30m	9h.	30m.	10h.	30m.	11h.	30m.
		0h.	30m.																						
SEPTEMBER, 1846.	1	-0·5	-1·0	-1·2	-1·4	-1·4	-1·3	-1·0	-0·5	0·0	0·6	1·0	1·5	1·7	2·0	2·2	2·1	1·9	1·6	1·0	0·5	-0·2	-1·2	-2·0	-3·0
	2	0·0	-0·7	-1·3	-1·7	-2·1	-2·3	-2·3	-2·2	-1·8	-1·2	-0·5	0·1	0·9	1·7	2·3	2·8	3·1	3·2	3·1	2·8	2·1	1·3	0·4	-0·5
	3	2·0	0·6	-0·4	-1·5	-2·3	-2·7	-3·0	-3·2	-3·1	-2·8	-2·5	-2·0	-1·1	0·0	1·0	2·2	3·0	3·8	4·4	4·7	4·7	4·2	3·5	2·3
	4	4·4	3·2	1·5	0·0	-1·6	-3·0	-3·9	-4·6	-5·0	-5·1	-5·0	-4·6	-4·0	-2·7	-1·2	0·5	1·7	3·0	4·2	5·3	5·9	6·1	5·9	5·3
	5	6·6	5·5	4·2	2·4	0·3	-1·3	-3·0	-4·0	-5·0	-5·6	-5·9	-6·0	-5·7	-5·2	-4·1	-2·5	-0·8	1·1	2·7	4·2	5·3	6·3	7·0	7·1
	6	7·7	7·0	6·0	4·5	3·0	1·0	-1·0	-3·8	-4·1	-5·3	-6·3	-6·8	-7·0	-6·9	-6·3	-5·3	-4·0	-2·0	-0·3	1·6	3·4	5·0	6·2	7·1
	7	7·8	7·7	7·4	7·2	5·7	4·1	2·2	0·2	-1·7	-3·7	-5·0	-6·3	-6·9	-7·2	-7·1	-6·7	-5·7	-4·4	-2·8	-1·2	0·7	2·7	4·4	6·0
	8	7·0	7·8	8·0	7·7	7·0	5·8	4·3	2·4	0·4	-1·3	-3·0	-4·7	-5·9	-6·7	-7·1	-7·0	-6·6	-5·7	-4·6	-3·3	-1·8	0·0	1·7	3·5
	9	5·1	6·3	6·9	7·3	7·0	6·4	5·4	4·0	2·5	0·9	-0·6	-2·4	-3·7	-4·8	-5·7	-6·2	-6·3	-6·2	-5·7	-4·9	-3·8	-2·3	-0·8	0·6
	10	3·0	4·2	5·0	5·7	6·2	6·2	5·9	5·3	4·1	2·9	1·4	0·0	-1·3	-2·5	-3·5	-4·3	-4·9	-5·2	-5·1	-4·8	-4·3	-3·4	-2·4	-1·3
	11	0·9	1·9	2·6	3·6	4·2	4·6	4·7	4·5	4·2	3·3	2·3	1·3	0·3	-0·7	-1·7	-2·3	-3·1	-3·7	-3·9	-4·0	-3·7	-3·4	-3·0	-2·4
	12	-0·1	0·3	0·8	1·6	2·3	2·8	3·2	3·5	3·5	3·4	3·0	2·4	1·6	0·8	0·1	-0·6	-1·2	-1·8	-2·3	-2·6	-2·7	-2·7	-2·6	-2·4
	13	-0·2	0·0	0·3	0·6	1·0	1·4	1·7	2·0	2·3	2·4	2·4	2·2	2·0	1·7	1·3	0·7	0·3	-0·3	-0·7	-1·3	-1·7	-2·1	-2·3	-2·4
	14	0·0	-0·4	-0·6	-0·5	-0·4	-0·1	0·2	0·5	0·8	1·2	1·5	1·7	1·9	2·0	1·9	1·7	1·5	1·2	0·7	0·2	-0·4	-0·9	-1·4	-2·0
	15	0·3	-0·1	-0·6	-0·9	-1·0	-1·0	-0·8	-0·6	-0·3	0·2	0·6	1·1	1·5	1·9	2·2	2·4	2·6	2·5	2·3	2·0	1·5	0·8	0·0	-0·9
	16	1·1	0·4	-0·3	-0·9	-1·3	-1·6	-1·9	-1·7	-1·4	-1·0	-0·4	0·1	0·7	1·2	1·8	2·3	2·8	3·2	3·3	3·2	2·8	2·3	1·7	0·7
	17	2·7	1·6	0·6	-0·4	-1·0	-1·8	-2·3	-2·3	-2·2	-2·0	-1·7	-1·0	-0·3	0·4	1·2	2·0	2·6	3·0	3·5	3·7	3·8	3·7	3·3	2·7
	18	3·4	2·4	1·4	0·3	-0·6	-1·4	-2·1	-2·7	-2·9	-2·8	-2·7	2·2	-1·6	-0·8	0·0	1·0	2·0	2·8	3·5	4·2	4·5	4·5	4·3	3·7
	19	4·7	3·8	2·7	1·4	0·3	-1·0	-2·0	-2·8	-3·3	-3·5	-3·5	-3·1	-2·7	-1·9	-0·9	0·3	1·3	2·5	3·5	4·4	5·0	5·4	5·5	5·3
	20	5·7	5·0	3·8	2·6	1·2	-0·3	-1·6	-2·5	-3·3	-3·7	-3·8	-3·7	-3·4	-2·8	-2·0	-0·8	0·5	1·5	2·7	3·9	5·0	5·6	6·2	6·2
	21	6·1	5·5	4·6	3·3	1·9	0·4	-1·0	-2·2	-3·3	-4·1	-4·5	-4·7	-4·4	-4·0	-3·2	-2·2	-1·0	0·2	1·6	2·8	4·0	5·0	5·8	6·3
	22	6·5	6·2	5·4	4·4	3·2	1·8	0·2	-1·1	-2·5	-3·7	-4·6	-5·0	-5·1	-4·8	-4·2	-3·3	-2·3	-1·2	-0·1	1·5	2·8	4·0	5·1	6·0
	23	6·2	6·3	5·9	5·2	4·1	3·0	1·4	-0·0	-1·5	-2·9	-4·1	-4·8	-5·3	-5·4	-5·2	-4·5	-3·7	-2·6	-1·5	-0·3	1·0	2·5	3·9	5·0
	24	5·4	5·8	6·0	5·5	4·9	3·9	2·6	1·3	-0·1	-1·5	-2·8	-3·8	-4·6	-5·0	-5·2	-5·0	-4·3	-3·4	-2·5	-1·5	-0·4	1·0	2·3	3·7
	25	4·2	4·9	5·3	5·4	5·2	4·6	3·7	2·6	1·2	-0·1	-1·3	-2·7	-3·6	-4·3	-4·9	-5·1	-4·7	-4·2	-3·5	-2·6	-1·8	-0·6	0·7	1·9
	26	2·8	3·5	4·2	4·6	4·8	4·7	4·2	3·4	2·5	1·4	0·2	-0·9	-2·0	-2·9	-3·7	-4·1	-4·2	-4·1	-3·7	-3·4	-2·7	-1·9	-1·0	0·0
	27	1·3	2·1	2·8	3·5	3·9	4·2	4·3	4·2	3·7	3·0	2·2	1·3	0·3	-0·8	-1·7	-2·5	-3·0	-3·3	-3·4	-3·3	-2·9	-2·4	-2·0	-1·3
	28	0·2	0·6	1·1	1·7	2·2	2·7	3·2	3·5	3·6	3·5	2·9	2·4	1·7	1·0	0·2	-0·5	-1·1	-1·6	-2·0	-2·3	-2·6	-2·7	-2·6	-2·4
	29	-0·3	-0·2	0·0	0·3	0·8	1·3	1·8	2·3	2·7	2·9	3·1	3·1	3·0	2·7	2·3	1·7	1·2	0·6	-0·1	—	—	—	—	—
	30	-0·5	-0·8	-1·0	-1·1	-1·0	-0·7	-0·3	0·1	0·8	1·4	2·0	2·5	3·0	3·2	3·4	3·3	3·1	2·7	2·0	1·3	0·5	-0·3	-1·2	-2·0
	31																								

HEIGHT OF THE TIDE *(in Feet) as taken from the Self-registering Tide Gauge.*

Bombay Mean Time.		Noon		1h.	30m.	2h.	30m.	3h.	30m.	4h.	30m	5h.	30m	6h.	30m.	7h.	30m.	8h.	30m	9h.	30m.	10h.	30m.	11h.	30m.
		0h.	30m.																						
OCTOBER, 1846.	1	-0·2	-1·2	-1·8	-2·2	-2·3	-2·4	-2·3	-2·0	-1·4	-0·6	0·3	1·2	2·0	2·9	3·7	4·2	4·6	4·7	-4·5	4·0	3·2	2·5	1·3	0·2
	2	1·4	0·1	-1·1	-2·2	-3·0	-3·7	-3·9	-3·9	-3·7	-3·1	-2·3	-1·3	0·0	1·0	2·3	3·6	4·7	5·5	6·0	6·1	5·9	5·3	4·2	3·2
	3	3·6	2·0	0·3	-1·2	-2·9	-4·1	-5·0	-5·4	-5·5	-5·3	-5·0	-4·0	-2·8	-1·2	0·2	2·0	3·4	4·7	6·0	6·9	7·4	7·4	7·0	5·2
	4	5·5	4·4	2·6	0·7	-0·9	-2·6	-4·0	-5·3	-6·2	-6·7	-6·8	-6·5	-5·7	-4·6	-3·0	-1·3	0·4	2·3	4·0	5·7	6·9	7·7	8·2	8·0
	5	7·1	6·2	4·7	3·0	1·0	-1·0	-2·9	-4·2	-5·8	-6·9	-7·3	-7·4	-7·2	-6·7	-5·5	-4·2	-2·3	-0·4	1·7	3·4	5·0	6·7	7·7	8·4
	6	7·9	7·4	6·3	5·0	3·5	1·4	-0·5	-2·2	-4·1	-5·5	-6·6	-7·1	-7·4	-7·3	-6·9	-6·0	-4·5	-3·0	-1·3	0·3	2·0	4·0	5·7	7·3
	7	7·0	7·2	6·8	6·0	5·0	3·7	2·0	0·2	-1·8	-3·3	-4·9	-6·1	-7·0	-7·2	-7·2	-7·0	-6·2	-5·0	-3·3	-2·0	-0·2	1·8	3·5	5·0
	8	5·5	6·3	6·6	6·4	5·8	4·9	3·7	2·0	0·5	-1·2	-2·8	-4·0	-5·0	-5·8	-6·2	-6·3	-6·0	-5·3	-4·4	-3·4	-2·0	-0·6	1·0	2·6
	9	3·6	4·4	5·1	5·4	5·4	5·0	4·2	3·3	2·0	0·8	-0·5	-1·8	-3·0	-3·7	-4·3	-4·5	-4·6	-4·5	-4·2	-3·7	-2·9	-1·7	-0·5	0·9
	10	2·0	2·7	3·5	4·1	4·5	4·7	4·6	4·2	3·4	2·6	1·6	-0·7	0·0	-0·7	-1·3	-2·0	-2·3	-2·4	-2·5	-2·4	-2·0	-1·5	-0·7	0·0
	11	1·0	1·5	2·1	2·7	3·2	3·6	3·8	4·0	3·8	3·5	3·0	2·3	1·6	0·9	0·1	-0·3	-0·9	-1·2	-1·3	-1·3	-1·2	-1·1	-0·9	-0·5
	12	0·3	0·5	1·0	1·6	2·1	2·5	2·9	3·1	3·2	3·2	3·0	2·8	2·4	2·0	1·6	1·0	0·5	0·0	-0·3	-0·7	-0·8	-0·9	-0·9	-0·7
	13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	-1·2	-2·1	-3·0	-3·7	-4·0	-4·2	-4·2	-3·9	-3·4	-3·0	-2·3	-1·7	-1·2	-0·6	-0·1	0·3	0·7	0·8	0·9	0·7	0·3	0·0	-0·7	-1·3
	16	-0·1	-1·5	-2·5	-3·5	-4·0	-4·3	-4·5	-4·5	-4·3	-3·8	-3·2	-2·4	-1·0	-0·7	0·1	0·9	1·5	2·0	2·2	2·3	2·0	1·7	1·0	0·2
	17	1·0	-0·6	-1·7	-3·0	-3·7	-4·3	-4·7	-4·8	-4·7	-4·3	-3·7	-3·0	-2·0	-0·8	0·2	1·0	2·0	2·8	3·4	3·7	3·9	3·7	3·2	2·5
	18	2·0	0·7	-0·6	-1·7	-2·7	-3·7	-4·3	-4·7	-4·7	-4·5	-3·9	-3·1	-2·2	-1·0	0·0	1·0	2·4	3·6	4·4	5·0	5·5	5·4	5·2	4·6
	19	3·3	2·0	0·5	-0·8	-2·0	-3·1	-4·1	-4·9	-5·2	-5·2	-5·0	-4·6	-3·8	-2·6	-1·4	-0·2	1·3	2·7	3·9	4·9	5·7	6·0	6·1	5·8
	20	4·5	3·3	2·3	1·0	-0·7	-2·0	-3·2	-4·4	-5·2	-5·8	-5·9	-5·7	-5·2	-4·3	-3·2	-1·9	-0·6	0·9	2·4	3·8	5·0	5·8	6·5	6·6
	21	5·6	4·8	3·8	2·3	0·7	-0·7	-2·2	-3·5	-4·7	-5·5	-6·2	-6·3	-6·2	-5·7	-4·7	-3·7	-2·3	-0·8	0·7	2·0	3·6	4·9	5·8	6·5
	22	5·6	5·3	4·6	3·6	2·1	0·6	-1·0	-2·5	-2·9	-5·0	-6·2	-6·7	-6·8	-6·5	-5·8	-4·9	-4·0	-2·5	-1·1	0·5	2·0	3·5	4·9	5·9
	23	5·2	5·3	5·0	4·5	3·3	2·0	0·5	-1·0	-2·5	-3·8	-5·0	-5·5	-6·3	-6·4	-6·2	-5·6	-4·7	-3·7	-2·5	-1·1	0·2	1·8	3·0	4·4
	24	4·0	4·6	4·7	4·6	4·2	3·2	2·0	0·7	-0·7	-2·0	-3·2	-4·3	-5·2	-5·8	-6·0	-5·9	-5·6	-5·0	-4·0	-3·0	-1·7	-0·4	0·8	2·0
	25	2·5	3·3	3·8	4·2	4·2	3·7	3·0	2·0	1·0	-0·3	-1·5	-2·5	-3·6	-4·4	-4·9	-5·2	-5·3	-5·1	-4·6	-4·0	-3·2	-2·2	-1·0	-0·0
	26	0·5	1·2	1·9	2·4	2·9	3·1	3·2	2·7	2·0	1·2	0·3	-0·7	-1·6	-2·5	-3·2	-3·9	-4·3	-4·4	-4·3	-4·2	-3·9	-3·3	-2·7	-2·0
	27	-1·3	-0·7	0·0	0·6	1·2	1·7	2·0	2·3	2·3	2·0	1·6	1·0	0·2	-0·4	-1·2	-1·9	-2·4	-3·0	-3·3	-3·6	-3·7	-3·4	-3·2	-2·7
	28	-2·4	-2·2	-2·0	-1·5	-1·0	-0·3	0·3	0·9	1·3	1·8	2·0	2·6	1·8	1·5	1·1	0·6	0·0	-0·8	-1·3	-2·0	-2·7	-3·2	-3·4	-3·6
	29	-3·2	-3·3	-3·4	-3·3	-3·0	-2·3	-1·8	-1·0	0·0	0·8	1·3	2·0	2·4	2·7	2·8	2·7	2·3	1·7	1·2	0·5	-0·3	-1·0	-1·9	-2·4
	30	-3·0	-3·7	-4·2	-4·4	-4·5	-4·3	-3·8	-3·1	-2·2	-1·2	-0·1	0·9	1·9	2·8	3·6	4·2	4·3	4·3	4·2	3·7	3·0	2·0	0·6	-0·3
	31	-1·6	-2·8	-3·9	-4·7	-5·3	-5·5	-5·6	-5·3	-4·7	-3·7	-2·6	-1·3	0·0	1·6	2·8	4·0	4·8	5·6	5·9	5·8	5·5	4·7	3·7	2·4

HEIGHT OF THE TIDE *(in Feet) as taken from the Self-registering Tide Gauge.*

	Bombay Mean Time.	12h·	30m	13h	30m·	14h·	30m·	15h·	30m·	16h·	30m	17h·	30m	18h·	30m	19h·	30m·	20h·	30m·	21h·	30m	22h·	30m	23h·	30m·
SEPTEMBER, 1846.	1	-3·8	-4·4	-4·7	-4·9	-4·8	-4·6	-4·0	-3·2	-2·3	-1·3	-0·3	0·5	1·6	2·5	3·2	3·7	4·0	4·1	4·1	3·9	3·3	2·7	1·9	0·9
	2	-1·7	-2·9	-4·0	-4·8	-5·4	-5·8	-5·8	-5·5	-4·9	-4·0	-2·8	-1·5	-0·4	1·0	2·1	3·3	4·2	4·9	5·5	5·7	5·3	4·7	4·0	3·0
	3	1·2	-0·5	-2·0	-3·4	-4·6	-5·5	-6·3	-6·5	-6·5	-6·3	-5·5	-4·5	-3·0	-1·5	0·0	1·6	3·0	4·4	5·4	6·3	6·6	6·6	6·2	5·4
	4	4·2	2·8	1·0	-0·6	-2·3	-3·7	-5·0	-5·9	-6·3	-6·5	-6·3	-5·7	-4·9	-3·8	-2·7	-1·0	0·7	2·7	4·2	5·7	6·7	7·4	7·6	7·2
	5	6·7	5·8	4·5	2·9	1·1	-1·0	-2·9	-4·4	-5·6	-6·2	-6·4	-6·3	-5·7	-5·0	-4·2	-3·0	-1·5	0·1	2·0	3·9	5.5	6·7	7·6	7·8
	6	7·5	7·3	6·4	5·5	4·0	2·1	0·0	-1·7	-3·6	-4·6	-5·5	-5·8	-6·0	-5·7	-5·3	-4·5	-3·3	-2·0	-0·6	1·3	3·0	4·8	6·2	7·1
	7	7·2	7·9	8·0	7·6	6·7	5·6	3·9	1·9	0·0	-1·8	-3·5	-4 5	-5·4	-5·7	-5·6	-5·2	-4·3	-3·3	-1·9	-0·4	1·1	3·0	4·5	6·0
	8	5·2	6·3	7·0	7·6	7·5	6·8	5·8	4·6	3·0	1·4	-0·5	-1·9	-3·1	-3·9	-4·5	-4·6	-4·3	-3·8	-3·0	-1·8	-0·7	0·8	2·2	3·9
	9	2·7	4·1	5·3	6·2	6·7	6·9	6·6	5·8	4·8	3·7	2·3	0·8	-0·5	-1·4	-2·4	-2·8	-3·1	-3·0	-2·7	-2·2	-1·5	-0·7	0·6	1·7
	10	0·0	1·6	2·8	3·7	4·7	5·3	5·7	5·6	5·3	4.7	3·8	3 0	2·0	1·2	0·1	-0·7	-1·3	-1·7	-1·8	-1·7	-1.6	-1·3	-0·7	0·2
	11	-1·5	-0·4	0·5	1·5	2·4	3·2	3·9	4·4	4·5	4·4	4·3	3·7	3·2	2·5	1·8	1·2	0·5	0·0	-0·3	-0·5	-0·6	-0·6	-0·5	-0·4
	12	-2·0	-1·4	-0·8	-0·3	0.4	1·2	1·9	2·5	2·9	3 2	3·5	3·6	3·5	3·4	3·2	2·7	2·3	1·7	1·3	0·7	0·4	0·1	-0 1	-0·2
	13	-2·5	-2·4	-2·2	-1·8	-1·2	-0·5	0·2	0·8	1·5	2·0	2·6	3·1	3·4	3·6	3·5	3·4	3·2	2·9	2·6	2·2	1·7	1·3	0·7	0·4
	14	-2·3	-2·6	-2·7	-2·6	-2·5	-2·1	-1·5	-0·8	-0·3	0·5	1·3	1·9	2·5	3·1	3·6	3·9	4·0	3·9	3·7	3·3	2·8	2·2	1·6	0·9
	15	-1·5	-2·0	-2·4	-2·8	-3·0	-3·0	-2·7	-2·3	-1·7	-1·0	-0·3	0·3	1·2	2·0	2·7	3·6	4·1	4·4	4·5	4·4	4·1	3·5	2·7	1·9
	16	0·0	-0·9	-1·7	-2·3	-2·7	-3·0	-3·2	-3·0	-2·7	-2·3	-1·6	-0·9	0·1	1·0	1·9	2·7	3·6	4·2	4·6	4·7	4·7	4·5	4·0	3·4
	17	1·9	0·5	-0·5	-1·3	-2·1	-2·7	-3·3	-3·4	-3·3	-3·0	-2·5	-1 9	-1·1	-0·2	0·8	2·0	2·8	3·7	4·7	5·2	5·4	5·3	5·0	4·3
	18	3·0	1·7	0·6	-0·3	-1·3	-2·2	-2·8	-3·3	-3·5	-3·4	-3·3	-2·8	-2·0	-1·3	-0·3	0·8	1·9	3·0	4·0	4·9	5·5	5·8	5·9	5·4
	19	4·7	3·7	2·6	1.5	0·2	-0·8	-1·9	-2·7	-3·2	-3·3	-3·3	-3·0	-2·5	-1·9	-0·9	0·2	1·2	2·3	3·5	4·5	5·2	6·2	6·4	6·3
	20	5·7	5·1	4·0	2·7	1·6	0 3	-1·0	-2·1	-3·0	-3·5	-3·7	-3·6	-3·4	-2·8	-2·0	-1·1	-0·1	1·0	2·2	3·5	4·5	5·4	6·0	6·2
	21	6·3	5·8	5·1	4·1	2·9	1·5	0·3	-1·0	-2·3	-3·1	-3·5	-3·8	-3·6	-3·3	-2·7	-1·9	-0·9	0·2	1·4	2·6	3·8	4·9	5·7	6·4
	22	6·5	6·5	6·1	5·4	4·4	3·0	1·8	0·4	-1·0	-2·1	-2·9	-3·5	-3·6	-3·5	-3·1	-2·5	-1·8	-0·8	0·2	1·4	2·6	3·7	4·7	5·6
	23	5·9	6·5	6·6	6·3	5·6	4·7	3·6	2·1	0·8	-0·4	-1·5	-2·3	-2·9	-3·1	-2·9	-2·7	-2·3	-1·6	-0·6	0·3	1·5	2·7	3·7	4·7
	24	4·8	5·8	6·3	6·5	6·3	5·7	4·8	3·7	2·5	1·1	0·0	-1·0	-1·7	-2·2	-2·4	-2·3	-2·1	-1·7	-1·1	-0·4	0·3	1·3	2·4	3·5
	25	3·0	4·3	5·1	5·7	6·0	5·8	5·4	4·7	3·7	2·7	1·6	0.6	-0·2	-0·9	-1·4	-1·5	-1·6	-1·4	-1·2	-0·7	-0·2	0·5	1·2	2·0
	26	1·0	2·2	3·3	4·2	4·7	5·2	5·5	5·2	4·8	4·2	3·5	2·7	1·9	1·1	0·5	-0·2	-0·6	-0·7	-0·8	-0·7	-0·5	-0·2	0·2	0·7
	27	-0·5	0·2	1·1	2·0	2·9	3·8	4·4	4·7	4·8	4·7	3·2	3·7	3·2	2·6	2·0	1·4	0·8	0·5	0·2	-0·1	-0·2	-0·3	-0.2	-0·1
	28	-2 0	-1·6	-0·9	0·0	0·9	1·7	2·6	3·3	3·8	4 3	4·5	4·4	4·2	3·9	3·4	3·0	2·6	2·1	1·6	1·2	0·7	0·4	0·1	-0·2
	29	—	—	—	—	—	—	—	1·3	2·0	2·8	3·4	3·9	4·3	4·5	4·6	4·5	4·2	3·7	3·0	2.4	1·7	1·0	0·4	-0·2
	30	-2·6	-3·1	-3·3	-3·3	-3·1	-2·5	-1·8	-1·0	0·0	0·9	1·8	2·6	3·4	4·2	4·7	5·1	5·2	5·1	4·7	4·2	3·5	2·6	1·7	0·7

HEIGHT OF THE TIDE *(in Feet) as taken from the Self-registering Tide Gauge.*

	Bombay Mean Time.	12h·	30m·	13h·	30m.	14h·	30m·	15h·	30m	16h·	30m.	17h·	30m.	18h·	30m.	19h·	30m.	20h·	30m	21h·	30m.	22h·	30m.	23h·	30m.
OCTOBER, 1846.	1	-0·7	-2·0	-2·8	-3·5	-4·0	-4·1	-3·8	-3·3	-2·5	-1·5	-0·4	0·6	1·8	3·0	4·1	5·0	5·7	6·2	6·3	6·0	5·5	4·8	3·8	2·7
	2	1·8	0·0	-1·3	-2·5	-3·4	-4·3	-4·7	-4·8	-4·6	-4·0	-3·1	-2·0	-0·6	0.8	2·3	3·7	4·8	6·0	6·7	7·1	7·0	6·7	6·0	5·0
	3	5·0	3·4	1·8	0·2	-1·3	-2·8	-4·0	-4·7	-5·0	-5·0	-4·7	-4·0	-3·0	-1·7	-0·2	1·7	3·3	4·8	6·1	7·2	7·7	7·9	7·6	7·0
	4	7·3	6·4	4·9	3·0	1·3	-0·6	-2·4	-3·7	-4·7	-5·2	-5·4	-5·2	-4·7	-3·9	-2·6	-1·0	0·7	2·3	4·0	5·6	6·9	7·6	7·8	7·7
	5	8·6	8·2	7·2	6·0	4·5	2·7	0·6	-1·0	-2·7	-4·0	-4·9	-5·2	-5·2	-4·8	-4·0	-2·9	-1·3	0·0	1·7	3·4	5·0	6·2	7·3	7·7
	6	8·2	8·4	8·2	7·7	6·7	5·2	3·3	1·7	0·0	-1·4	-3·0	-4·0	-4·6	-4·8	-4·6	-4·0	-3·1	-2·0	-0·7	0·8	2·2	4·0	5·3	6·3
	7	6·5	7·5	8·0	8·0	7·4	6·7	5·6	4·3	2·7	1·0	-0·5	-2·0	-3·0	-3·6	-3·8	-3·6	-3·3	-2·7	-2·0	-0·8	0·5	1·9	3·2	4·5
	8	4·1	5·6	6·3	7·0	7·2	7·0	6·3	5·4	4·3	3·0	1·5	0·2	-1·0	-1·8	-2·3	-2·7	-2·8	-2·6	-2·4	-1·8	-1·0	0·0	1·0	2·1
	9	2·0	3·3	4·4	5·3	6·0	6·6	6·6	6·3	5·6	4·8	3·8	2·8	1·8	0·9	0·0	-0·4	-0·7	-0·9	-0·9	-0·7	-0·5	-0·2	0·4	1·0
	10	1·0	2·0	3·0	4·0	4·8	5·4	5·9	6·2	6·2	5·9	5·3	4·5	3·7	3·0	2·3	1·7	1·3	1·0	0·6	0·4	0·2	0·2	0·3	0·6
	11	0·1	0·9	1·6	2·4	3·2	4·0	4·6	4 9	5·1	5·3	5·2	4·9	4·4	4·0	3·4	2·8	2·3	1·8	1·4	1.0	0·6	0·3	0·2	0·2
	12	-0·4	0·0	0·5	1·2	1·8	2·5	3·0	3·5	3·9	4·2	4·3	4·2	4·1	3·8	3·5	3·0	2·5	2·0	1·7	1·2	0·9	0·6	0·4	0·2
	13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	-2·2	-2·9	-3·5	-4·0	-4·3	-4·4	-4·2	-4·1	-3·8	-3·2	-2 5	-1·8	-1·0	-0·2	0·7	1.5	2·2	2·7	2·9	2·9	2·8	2·4	1·8	1·0
	16	-0·8	-1·7	-2·5	-3·2	-3·8	-4·2	-4·3	-4·3	-4·0	-3·7	-2·8	-1·8	-0·8	0·2	1·0	1·8	2·5	3·0	3·4	3·6	3·5	3·3	2·7	2·0
	17	1·5	0·5	-0·4	-1·3	-2·1	-2·8	-3·3	-3·4	-3·3	-3·2	-2·8	-2·1	-1·3	-0·5	0·3	1·4	2·3	3·2	3·9	4·2	4·3	4·2	4·0	3·4
	18	3·7	2·7	1·5	0·4	-0·7	-1·7	-2·7	-3·0	-3·2	-3·1	-3·0	-2·4	-1·8	-1·0	0·0	1·0	2·2	3·3	4·2	4·8	5·2	5·2	5·0	4·3
	19	5·2	4·3	3·1	1·9	0·5	-0·7	-1·7	-2·4	-3·1	-3·3	-3·3	-3·2	-2·8	-2·0	-1·2	-0·2	1·0	2·1	3·3	4·2	5·0	5·5	5·6	5·3
	20	6·4	5·8	5·0	4·0	2·7	1·2	-0·2	-1·5	-2·3	-3·0	-3·3	-3·4	-3·2	-2·9	-2·3	-1·6	-0·4	0·8	2·0	3·2	4·3	5·1	5·7	5·8
	21	6·7	6·5	6·0	5·3	4·3	2·7	1·5	0·0	-1·1	-2·0	-2·8	-3·3	-3·4	-3·3	-3·0	-2·6	-1·8	-0·8	0·4	1·7	2·9	4·0	4·8	5·4
	22	6·6	6·7	6·6	6·0	5·3	4·3	2·7	1·5	0·0	-1·0	-2·0	-2·7	-3·1	-3·3	-3·3	-3·1	-2·4	-1·6	-0·7	0.6	1·7	2·8	3·8	4.7
	23	5·7	6·3	6·6	6·5	6·0	5·3	4·3	3·3	2·0	0·7	-0·6	-1·6	-2·4	-2·9	-3·1	-3·1	-2·9	-2·4	-1·8	-1·0	0.0	1·2	2·3	3·3
	24	3·9	4·9	5·7	6·1	6·2	5·9	5·2	4·4	3·4	2·1	1·0	-0·1	-1·1	-1·8	-2·3	-2·6	-2·7	-2·6	-2·3	-1·8	-1·2	-0·2	0·7	1·7
	25	1·7	3·0	4·0	4·8	5·3	5·5	5·4	5·0	4·3	3·5	2·4	1·5	0·6	-0·2	-1·0	-1·6	-2·0	-2·3	-2·4	-2·3	-2·0	-1·6	-1·0	-0·3
	26	-0·5	0·6	1·6	2·6	3·3	4·0	4·3	4·6	4·5	4·2	3·6	2·9	2·0	1·1	0·2	-0·4	-1·1	-1·7	-1·9	-2·1	-2·2	-2·1	-2·0	-1·7
	27	-2·1	-1·2	-0·5	0·4	1·3	2·2	3·0	3·6	4·0	4·2	4·0	3·8	3·2	2·7	2·0	1·2	0·6	-0·1	-0·7	-1·3	-1·7	-2·1	-2·3	-2·4
	28	-3·4	-2·8	-2·1	-1·3	-0·5	0·3	1·1	1·9	2·7	3·3	3·7	4·0	4·0	3·8	3·5	3·0	2·3	1·7	0·8	0·0	-0·8	-1·4	-2·1	-2·8
	29	-3·0	-3·3	-3·4	-3·2	-2·8	-2·0	-1.0	0·0	1·0	1·9	2·7	3·5	4·0	4·3	4·5	4·4	4·2	3·5	2·7	2·0	1·0	0·0	-0·9	-2·0
	30	-1·8	-2·7	-3·2	-3·4	-3·5	-3·2	-2·9	-2·2	-1·3	-0·3	0·9	2·0	3·0	3·8	4·6	5·1	5·3	5·2	4·8	4·2	3·3	2·1	1·0	-0·3
	31	0·6	-1·0	-2·0	-2·9	-3·5	-3·9	-4·0	-3·8	-3·2	-2·4	-1·5	-0·3	0·9	2·0	3·3	4·2	5·0	5·6	5·9	5·7	5·2	4·6	3·3	2·0

HEIGHT OF THE TIDE *(in Feet) as taken from the Self-registering Tide Gauge.*

Bombay Mean Time.		Noon.		1h.	30m.	2h.	30m.	3h.	30m.	4h.	30m.	5h.	30m.	6h.	30m.	7h.	30m.	8h.	30m.	9h.	30m.	10h.	30m.	11h.	30m.
		0h.	30m.																						
NOVEMBER, 1846.	1	0·4	−1·2	−2·8	−4·0	−5·3	−6·2	−6·6	−6·7	−6·6	−6·2	−5·3	−4·3	−2·8	−1·2	0·2	1·6	3·3	4·7	5·8	6·7	6·9	6·7	6·3	5·6
	2	2·5	0·7	−1·0	−2·6	−4·0	−5·5	−6·5	−7·2	−7·3	−7.2	−7·0	−6·4	−5·2	−3·7	−2·0	0·0	1·4	3·2	4.8	6·1	7·0	7·6	7·7	7·4
	3	4·4	3·0	2·4	0·7	−1·0	−2·8	4·4	−5·7	−7·0	−7·5	−7·8	−7·6	−7·0	−6·0	−5·0	−3·3	−1·7	0·3	2·0	4·0	5·5	6·6	7·6	8·2
	4	6·0	5·2	4·2	2·7	0·8	−0·9	−2·5	−4·2	−5·6	−6·7	−7·4	−7·8	−7·8	−7·3	−6·3	−5·2	−3·8	−2·0	−0·1	1.8	3·4	4·7	6·0	7·3
	5	5·7	5·6	5·2	4·0	2·8	1·3	−0·3	−2·0	−3·9	−5·0	−6·2	−7·1	−7·5	−7·6	−7·0	−6·2	−5·1	−3·7	−2·3	−0·7	0·9	2·3	4·0	5·4
	6	4·8	5·2	5·3	4·8	4·0	2·7	1·3	0·0	−1·7	−3·2	−4·5	−5·5	−6·3	−6·7	−6·7	−6·4	−5·6	−4·5	−3·5	−2·0	−0.8	0·4	1·9	3·3
	7	3·1	3·9	4·3	4·5	4·3	3·7	2·7	1·7	0·3	−0·9	−2·1	−3·4	−4·4	−5·0	−5·3	−5·3	−5·0	−4·5	−3·9	−3·0	−2·0	−0·7	0·4	1·5
	8	1·6	2·3	3·0	3·4	3·7	3·6	3·2	2·6	1·6	0·3	−0·8	−1·8	−2·5	−3·2	−3·7	−3·9	−4·0	−3·8	3·6	−3·2	−2·5	−1·8	−1·0	0·0
	9	−0·2	0·4	1·2	1·7	2·2	2·6	2·7	2·5	2·1	1·4	0·8	0·0	−0·8	−1·5	−2·2	−2·6	−3·0	−3·1	−3·0	−2·7	−2·5	−2·1	−1·7	−1·2
	10	−0·8	−0·5	0·0	0·6	1·0	1·3	1·6	1·8	1·9	1·8	1·4	0·9	0·4	0·0	−0·4	−0·9	−1·2	−1·4	−1·7	−1·8	−1·9	−1·8	−1·6	−1·3
	11	−1·4	−1·3	−1·0	−0·6	−0·3	−0.2	0·5	0·9	1·1	1·2	1·3	1·3	1·2	1·0	0·7	0·5	0·1	−0·2	−0·6	−0·9	−1·1	−1·2	−1·3	−1·3
	12	−1·7	−1·6	−1·4	−1·2	−0·9	−0·7	−0·3	−0·1	0·2	0·3	0·6	0·7	0·8	0·9	0·9	0·9	0·8	0·7	0·4	0·0	−0·2	−0·7	−1·0	−1·2
	13	−1·7	−2·1	−2·2	−2·2	−2·1	−2·0	−1·7	−1·4	−1·0	−0·6	−1·2	0·2	0·7	1·0	1·5	1·8	2·0	2·0	1·9	1·7	1·3	0·8	0·2	−0·3
	14	−1·3	−2·1	−2·7	−3·0	−3·2	−3·3	−3·1	−2·8	−2·3	−1·9	−1·3	−0·6	0·2	1·0	1·9	2·5	3.0	3·5	3·6	3·5	3·3	2·8	2·1	1·4
	15	−0·6	−1·5	−2·4	−3·3	−3·9	−4·1	−4·2	−4·1	−3·7	−3·2	−2·4	−1·6	−0·7	0·2	1·3	2·2	3·1	4·0	4·3	4·7	4·7	4·6	3·9	3·2
	16	0·5	−0·7	−1·9	−3·0	−3·9	−4·6	−5·0	−5·2	−5·0	−4·7	−4·0	−3·1	−2·1	−1·1	0·1	1·3	2·4	3·6	4·5	5·2	5·4	5·5	5·3	4·7
	17	2·0	0·8	−0·5	−1·9	−3·3	−4·3	−5·2	−5·7	−5·8	−5·7	−5·3	−4·7	−3·7	−2·7	−1·4	0·0	1·2	2·8	4·0	8·1	5·8	6·2	6·3	6·0
	18	3·8	2·5	1·2	−0·3	−1.9	−3·3	−4·6	−5·5	−6·3	−6·6	−6·6	−6·1	−5·3	−4·3	−3·0	−1·7	−0·3	1·2	2·7	4·3	5·3	6·0	6·7	6·9
	19	4·7	4·0	2·8	1·4	−0·3	−2·0	−4·6	−5·6	−6·5	−7·3	−7·7	−7·8	−7·5	−6·6	−5·4	−4·2	−2·7	−1·0	0·6	2·3	3·8	5·0	5·8	6·3
	20	4·5	4·3	3·6	2·0	0·7	−1·0	−2·6	−4·2	−5·4	−6·6	−7·3	−7·8	−7·9	−7·7	−7.0	−6·0	−4·7	−3·0	−1·2	0·3	2·0	3·6	4·7	5·8
	21	4·6	4·7	4·4	3·7	2·7	1·3	−0·3	−2·0	−3·7	−5·0	−6·0	−7·0	−7·6	−7·8	−7·6	−6·9	−5·9	−4·7	−3·3	−1·6	0·0	1·7	3·3	4.6
	22	3·6	4·1	4·3	4·2	3·6	2·6	1·2	0·0	−1·7	−3·0	−4·3	−5·7	−6·5	−7·1	−7·3	−7·2	−6·7	−6·0	−5·0	−3·7	−2·3	−0·8	0·7	2·2
	23	2·0	2·7	3·2	3·6	3·7	3·4	2·6	1·5	0·3	−1·0	−2·3	−3·7	−4·8	−5·7	−6·3	−6·6	−6·7	6·3	−5·7	−5·0	−3·9	−2·7	−1·5	0·0
	24	−0·5	0·5	1·3	2·0	2·6	2·8	2·8	2·5	1·8	1·0	0·0	−1·2	−2·1	−3·2	−4·2	−4·8	−5·3	−5·5	−5·4	−5·1	−4·4	−3·7	−2·8	−1·8
	25	−2·7	−1·7	−1·0	0·0	0·7	1·3	1·7	2·1	2·2	1·9	1·6	1·0	0·0	−0·9	−1·7	−2·4	−3·2	−3·7	−4·1	−4·3	−4·3	−4·0	−3·7	−3·1
	26	−4·0	−3·5	−2·9	−2·2	−1·6	−0·8	0·0	0·7	1·2	1·7	1·9	1·9	1·7	1·4	0·9	0·2	−0·7	−1·3	−2·0	−2·7	−3·2	−3·6	−3·8	−3·8
	27	−4·7	−5·0	−5·0	−4·7	−4·2	−3.4	−2·6	−1·7	−0·7	0·1	0·9	1·4	1·9	2·1	2·3	2·1	1·7	1·2	0·6	−0·1	−1·0	−1·7	−2·3	−2·9
	28	−4·3	−5·2	−5·5	−5·7	−5·6	−5·3	−4·7	−3·9	−2·9	−1·7	−0·7	0·3	1·3	2·1	3·0	3·6	3·7	3·7	3·4	2·9	2·0	1·0	0·1	−0·9
	29	−3·5	−4·7	−5·5	−6·1	−6·5	−6·7	−6·4	−6·0	−5·1	−4·1	−3·0	−1·8	−0·5	0·8	2·0	3·1	4·0	4·6	4·9	4·7	4·3	3·6	2·7	1·4
	30	−1·3	−2·8	−4·0	−5·2	−6·3	−7·1	−7·6	−7·7	−7·5	−6·9	−6·0	−5·0	−3·7	2·1	−0·7	0·8	2·2	3·6	4·5	5·2	5·4	5·3	4·9	4·2

HEIGHT OF THE TIDE *(in Feet) as taken from the Self-registering Tide Gauge.*

Bombay Mean Time.		Noon.		1h.	30m	2h.	30m.	3h.	30m	4h.	30m.	5h.	30m	6h.	30m	7h.	30m.	8h.	30m	9h.	30m	10h.	30m	11h.	30m.
		0h.	30m.																						
DECEMBER, 1846.	1	0·5	−1·0	−2·2	−3·8	−5·0	−6·2	−7·3	−7·9	−8·1	−8·1	−7·9	−7·0	−6·0	−4·5	−3·0	−1·3	0·4	2·0	3·5	4·6	5·5	6·1	6·2	5·9
	2	3·0	1·5	0·0	−1·5	−3·0	−4·8	−6·0	−7·0	−7·8	−8·1	−8·2	−7·9	−7·1	−6·0	−4·8	−3·1	−1·4	0·1	1·8	3·2	4·7	5·9	6·5	6·8
	3	4·2	3·5	3·0	0·6	−1·0	−2·5	−4·1	−5·3	−6·3	−7·1	−8·6	−8·5	−8·3	−7·5	−5·4	−4·2	−2·8	−1·0	0·5	2·1	3·6	5·0	6·0	6·8
	4	4·8	4·6	3·8	2·5	1·0	−0·4	−2·1	−3·6	−4·8	−5·8	−6·4	−6·8	−7·0	−6·8	−6·2	−5·2	−4·0	−2·5	−1·2	0·5	1·9	3·4	4·7	5·8
	5	4·2	4·4	4·2	3·3	2·2	1·0	−0·5	−2·0	−3·3	−4·5	−5·4	−6·3	−6·7	−6·8	−6·6	−6·0	−5·0	−4·0	−2·8	−1·5	0·0	1·4	2·7	4·0
	6	3·1	3·6	3·9	3·8	3·3	2.4	1·2	0·0	−1·5	−2·8	−3·8	−4·7	−5·3	−5·8	−6·0	−5·8	−5·3	−4·4	−3·5	−2·5	−1·5	−0·2	1·0	2·2
	7	1·8	2·6	3·1	3·4	3·4	2·9	2·1	1·0	0·0	−1.1	−2·2	−3·2	−4·0	−4·5	−4·8	−5·0	−4·9	−4·6	−4·1	−3·3	−2·5	−1·5	−0·5	0·7
	8	0·3	1·1	1·8	2·2	2·5	2·5	2·4	2·0	1·2	0·3	−0·6	−1·4	−2·2	−3·0	−3·5	−3·8	−3·8	−3·7	−3·4	−2·9	−2·3	−1·7	−1·0	−0·2
	9	−0·6	0·0	0·7	1·2	1·6	1·9	2·0	2·0	1·7	1·3	0·5	0·0	−0·7	−1·4	−2·0	−2·3	−2·6	−2·7	−2·6	−2·3	−2·1	−1·7	−1·1	−0·5
	10	−1·5	−1·1	−0·5	0·0	0·5	0·9	1·3	1·5	1·5	1·4	1·1	0·7	0·3	−0·3	−0·7	−1·1	−1·5	−1·7	−1·9	−1·9	−1·8	−1·6	−1·3	−1·0
	11	−2·4	−2·2	−1·7	−1·3	−0·7	0·2	0·5	0·5	0·7	0·9	1·0	1·1	1·0	0.9	0·7	0·5	0·2	−0·2	−0·5	−0·8	−1·0	−1·1	−1·2	−1·2
	12	−3·0	−2·9	−2·8	−2·5	−2·1	−1·6	−1·1	−0·6	−0·2	0·2	0·6	0·9	1·2	1·5	1·6	1·6	1.5	1·3	1·0	0·6	0·3	−0·1	−0·5	−0·8
	13	−3·3	−3·7	−4·0	−4·1	−3·7	−3·4	−3·0	−2·4	−1·8	−1.2	−0·6	0.0	0·6	1·2	1·8	2·2	2·6	2·6	2·4	2·1	1·6	1·1	0·5	0·0
	14	−2·7	−3·3	−3·9	−4·3	−4·5	−4·5	−4·3	−4·0	−3·5	−2·9	−2·0	−1·1	0·0	0.9	1·9	2·8	3·5	3·8	3·9	3·7	3·3	2·8	2·2	1·5
	15	−1·5	−2·4	−3·4	−4·3	−4·9	−5·1	−5·2	−5·2	−4·9	−4·2	−3·3	−2·3	−1·2	0·0	1·0	2·1	3·1	3·9	4·4	4·7	4·7	4·7	4·4	3·8
	16	0·4	−0·8	−2·3	−3·7	−4·5	−5·3	−5·8	−6·0	−6·0	−5·5	−4·8	−3·8	−2·6	−1·3	0·0	1.5	2·8	3·9	4·8	5·5	5·9	6·0	5·7	5·3
	17	1·8	0·4	−1·0	−2·5	−3·8	−4·8	−5·8	−6·5	−6·8	−6·9	−6·6	−6·0	−5·0	−3·7	−2·2	−0·9	0·7	2·2	3·8	4·9	5·7	6·3	6·5	6·5
	18	3·8	2·5	1·1	−0·4	−2·0	−3·2	−4·7	−6·0	−6·8	−7·3	−7·5	−7·4	−6·8	−6·0	−4·5	−3·0	−1·2	0·5	2·0	3·0	5·2	6·2	7·0	7·4
	19	5·0	4·6	3·6	2·4	0·7	−1·0	−3·0	−4·3	−5.7	−6·7	−7·4	−7·7	−7·7	−7·2	−6.0	−5·0	−3·3	−1·7	0·0	1·7	3·5	5·0	6·3	7·2
	20	5·5	5·4	5·1	4·3	3·0	1·6	−0·4	−2·0	−3·9	−5·1	−6·3	−7·2	−7·7	−7·8	−7·6	−6·8	−5·5	−4·2	−2·7	−1·0	0·9	2·7	4·3	5·7
	21	4·4	4·9	5·1	5·0	4·4	3·4	2·0	0·3	−1·6	−3·1	−4·6	−5·9	−6·9	−7·4	−7·6	−7·5	−6·7	−5·7	−4·3	−3·0	−1·3	0·4	2·0	3·7
	22	3·0	3·6	4·3	4·7	4·8	4·6	3·8	2.6	1·1	−0·3	−2·0	−3·3	−4·6	−5·5	−6·2	−6·5	−6·4	−6·1	−5·3	−4·5	−3·1	−1·9	−0·3	1·3
	23	0·0	1·0	2·4	3·4	4·2	4·5	4·5	4·1	3·2	2·2	1·0	0·3	−1·7	−2·8	−4·0	−4·6	−5·0	−5·3	−5·2	−4·9	−4·2	−3·3	−2·3	−0·7
	24	−2·5	−1·5	−0·3	0·9	2·0	2·8	3·4	3·7	3·8	3·5	2·8	2·0	1·0	0·0	−1·0	−2·0	−2·8	−3·4	−3·7	−3·9	−3.9	−3·7	−3·1	−2·3
	25	−4·5	−4·1	−3·1	−2·1	−1·0	0·1	1·1	1·9	2·5	3·0	3·2	3·0	2·6	2·0	1·3	0·5	−0·3	−1·0	−1·6	−2·2	−2·5	−2·8	−2·9	−2·7
	26	−5·3	−5·2	−4·9	−4·4	−3·5	−2·6	−1·5	−0·5	0·5	1·2	2·0	2·5	3·0	3·1	3·0	2·7	2·1	1·6	0·9	0·1	−0·7	−1·3	−1·7	−2·1
	27	−4·7	−5·0	−5·2	−5·2	−5·0	−4·5	−3·8	−2·7	−1·6	−0·7	0·3	1·3	2·2	3·0	3·6	4·0	4·0	3·9	3·5	2·8	2·0	1·3	0·5	−0·3
	28	—	—	—	—	—	−6·9	−6·6	−6·1	−5·3	−4·3	−3·1	−2·1	−1·0	0·0	1·1	2·1	3·0	3·5	3·8	3·9	3·7	3·0	2·0	1·0
	29	−3·7	−4·5	−5·4	−6·2	−7·0	−7·5	−7·7	−7·5	−7·1	−6·5	−5·5	−4·5	−3·0	−1·8	0·0	1·0	2·2	3·2	4·0	4·4	4·3	4·0	3·4	2·5
	30	−1·7	−2·5	−4·0	−5·0	−6·2	−7·0	−7·7	−8·0	−8·1	−7·9	−7·2	−6·3	−5·2	−4·0	−2·3	−1·0	0·7	2·0	3·2	4·1	4·6	4·7	4·5	4·0
	31	0·3	−0·7	−2·0	−3·2	−4·9	−6·0	−7·0	−7·8	−8·3	−8·5	−8·3	−8·0	−7·0	−6·0	−5·5	−3·0	−1·8	0·3	1·7	3·0	4·1	4·8	5·1	5·0

HEIGHT OF THE TIDE *(in Feet) as taken from the Self-registering Tide Gauge.*

Bombay Mean Time.		12h.	30m	13h.	30m	14h.	30m.	15h.	30m.	16h.	30m.	17h.	30m.	18h	30m	19h.	30m	20h.	30m.	21h.	30m.	22h.	30m.	23h.	30m.
NOVEMBER, 1846.	1	4·0	2·2	0·7	-0·8	-2·1	-3·3	-4·0	-4·2	-4·3	-4·2	-3·5	-2·7	-1·6	-0·3	1·3	2·6	3·7	4·8	5·6	6·1	6·3	5·7	5·2	4·0
	2	6·4	4·9	3·5	2·0	0·3	-1·3	-2·5	-3·4	-4·1	-4·3	-4·2	-4·0	-3·3	-2·3	-1·0	0·4	2·0	3·5	4·6	5·6	6·2	6·4	6·3	5·6
	3	8·0	7·4	6·6	5·5	4·0	2·3	0·6	-1·2	-2·4	-3·5	-4·2	-4·3	-4·2	-4·0	-3·3	-2·3	-1·0	0·4	2·0	3·6	4·7	5·5	6·2	6·3
	4	7·8	7·9	7·5	6·8	5·7	4·5	2·7	1·0	-0·5	-1·9	-3·1	-3·9	-4·3	-4·4	-4·2	-3·7	-2·7	-1·6	-0·2	1·2	2·6	3·7	4·7	5·3
	5	6·4	7·2	7·4	7·2	6·6	5·8	4·5	3·2	1·7	0·2	-1·3	-2·4	-3·3	-3·8	-4·0	-4·0	-3·7	-3·0	-2·0	-0·8	0·3	1·7	3·0	4·0
	6	4·7	5·8	6·5	6·8	6·7	6·3	5·6	4·7	3·6	2·1	1·6	-0·6	-1·7	-2·6	-3·1	-3·3	-3·2	-3·0	-2·5	-1·7	-0·8	0·0	1·1	2·2
	7	2·5	3·7	4·7	5·3	5·7	5·7	5·5	5·0	4·2	3·0	2·0	1·0	0·0	-1·0	-1·7	-2·1	-2·3	-2·4	-2·3	-2·2	-1·7	-1·1	-0·2	0·7
	8	1·0	2·0	2·8	3·5	4·1	4·5	4·7	4·6	4·3	3·7	2·8	2·0	1·2	0·7	0·0	-0·8	-1·3	-1·7	-2·0	-2·0	-1·9	-1·7	-1·3	-0·8
	9	-0·5	0·3	1·0	1·9	2·7	3·4	4·0	4·3	4·4	4·2	3·8	3·2	2·5	1·8	1·0	0·3	-0·4	-0·9	-1·2	-1·4	-1·6	-1·6	-1·5	-1·2
	10	-1·0	-0·5	0·0	0·5	1·1	1·8	2·5	3·0	3·5	3·6	3·7	3·5	3·1	2·7	2·0	1·4	0·9	0·4	-0·2	-0·7	-1·0	-1·3	-1·5	-1·6
	11	-1·3	-1·2	-0·9	-0·5	0·0	0·5	1·1	1·7	2·2	2·7	3·1	3·3	3·3	3·0	2·7	2·2	1·7	1·2	0·6	0·0	-0·4	-0·8	-1·2	-1·5
	12	-1·5	-1·5	-1·4	-1·3	-1·0	-0·6	-0·1	0·4	0·9	1·3	1·9	2·5	2·8	3·0	3·1	2·9	2·7	2·4	1·8	1·3	0·7	0·0	-0·6	-1·2
	13	-1·0	-1·3	-1·6	-1·6	-1·5	-1·3	-1·0	-0·7	-0·2	0·3	0·8	1·3	1·9	2·4	2·9	3·2	3·3	3·2	2·9	2·3	1·7	1·1	0·3	-0·5
	14	0·5	-0·2	-0·7	-1·3	-1·4	-1·6	-1·5	-1·4	-1·2	-0·7	-0·2	0·4	1·2	1·8	2·6	3·2	3·7	3·8	3·8	3·7	3·2	2·3	1·5	0·5
	15	2·3	1·0	0·2	-0·6	-1·2	-1·6	-1·9	-2·1	-1·9	-1·7	-1·2	-0·6	0·1	0·8	1·7	2·4	3·1	3·7	4·0	4·2	4·0	3·5	2·7	1·7
	16	3·7	2·7	1·7	0·6	-0·3	-1·0	-1·7	-2·2	-2·3	-2·3	-2·2	-1·8	-1·3	-0·6	0·3	1·2	2·2	3·0	3·7	4·3	4·5	4·5	4·0	3·3
	17	5·5	4·7	3·7	2·4	1·2	0·0	-1·0	-1·9	-2·4	-2·7	-2·8	-2·7	-2·3	-1·7	0·9	0·0	1·2	2·2	3·2	4·1	4·7	5·0	5·0	4·7
	18	6·7	6·2	5·2	4·2	2·7	1·3	-0·2	-1·3	-2·2	-2·8	-3·2	-3·3	-3·2	-2·9	-2·2	-1·3	-0·3	0·7	2·0	3·0	4·0	4·6	5·1	5·3
	19	6·4	6·2	5·6	4·7	3·5	2·0	0·5	-0·7	-2·0	-3·0	-3·6	-3·9	-4·2	-4·0	-3·7	-3·0	-2·2	-1·0	0·3	1·3	2·5	3·5	4·2	4·6
	20	6·4	6·6	6·4	5·9	5·0	4·0	2·7	1·1	-0·2	-1·7	-2·7	-3·3	-3·8	-4·0	-4·0	-3·8	-3·3	-2·5	-1·5	-0·3	1·0	2·2	3·4	4·2
	21	5·7	6·3	6·7	6·5	6·0	5·3	4·3	3·0	1·6	0·0	-1·1	-2·3	-3·1	-3·7	-4·1	-4·2	-4·1	-3·7	-3·0	-2·0	-0·7	0·6	1·7	2·7
	22	3·7	4·8	5·7	6·2	6·3	6·0	5·3	4·3	3·3	2·0	0·4	-0·8	-1·8	-2·8	-3·4	-4·0	-4·2	-4·2	-4·0	-3·4	-2·6	-1·6	-0·5	0·7
	23	1·3	2·7	3·9	4·8	5·5	5·6	5·5	5·0	4·3	3·3	2·2	1·0	-0·1	-1·3	-2·2	-3·0	-3·5	-3·9	-4·0	-4·0	-3·7	-3·2	-2·5	-1·6
	24	-0·5	0·6	1·7	2·7	3·7	4·3	4·7	4·9	4·7	4·3	3·7	2·6	1·6	0·5	-0·5	-1·5	-2·3	-3·0	-3·6	-3·8	-3·9	-3·8	-3·7	-3·2
	25	-2·3	-1·4	-0·3	0·7	1·7	2·5	3·2	3·9	4·2	4·3	4·0	3·7	3·2	2·3	1·3	0·3	-0·6	-1·4	-2·2	-3·0	-3·6	-4·0	-4·3	-4·2
	26	-3·7	-3·2	-2·4	-1·7	-0·7	0·5	1·3	2·2	2·9	3·3	3·7	3·8	3·7	3·2	2·7	1·9	1·1	0·1	-0·8	-1·8	-2·6	-3·3	-3·9	-4·3
	27	-3·1	-3·2	-3·1	-2·9	-2·2	-1·3	-0·6	0·3	1·2	2·0	2·7	3·2	3·6	3·7	3·6	3·2	2·7	2·0	1·2	0·2	-0·7	-1·7	-2·6	-3·5
	28	-1·7	-2·3	-2·8	-3·0	-2·9	-2·7	-2·1	-1·5	-0·7	0·0	1·0	1·8	2·6	3·1	3·6	3·8	3·9	3·7	3·1	2·3	1·2	0·2	-0·8	-2·0
	29	0·2	-1·0	-1·9	-2·6	-3·2	-3·4	-3·3	-3·2	-2·8	-2·1	-1·2	-0·2	0·8	1·7	2·4	3·0	3·4	3·7	3·6	3·0	2·4	1·7	0·8	0·0
	30	3·2	1·8	0·4	-0·8	-1·9	-2·8	-3·4	-3·8	-3·9	-3·7	-3·4	-2·7	-1·9	-0·8	0·3	1·3	2·2	3·0	3·5	3·7	3·9	3·6	3·0	2·0

HEIGHT OF THE TIDE *(in Feet) as taken from the Self-registering Tide Gauge.*

Bombay Mean Time.		12h.	30m.	13h.	30m.	14h.	30m.	15h.	30m.	16h.	30m	17h.	30m.	18h.	30m	19h.	30m	20h.	30m	21h.	30m.	22h.	30m	23h.	30m.
DECEMBER, 1846.	1	5·1	4·0	3·0	1·5	0·0	-1·1	-2·1	-3·2	-3·8	-4·1	-4·1	-3·9	-3·4	-2·6	-1·8	-0·6	0·4	1·8	2·8	3·5	4·0	4·4	4·5	3·9
	2	6·6	6·0	5·1	4·0	2·8	1·2	-0·2	-1·7	-2·6	-3·5	-4·0	-4·2	-4·2	-4·0	-3·3	-2·3	-1·2	0·0	1·2	2·3	3·2	4·0	4·4	4·5
	3	7·2	7·0	6·5	5·7	4·6	3·2	1·7	0·0	-1·1	-2·3	-3·1	-3·6	-3·8	-3·8	-3·6	-3·0	-2·0	-0·9	0·3	1·7	2·8	3·7	4·3	4·8
	4	6·6	7·0	6·8	6·5	5·6	4·6	3·2	1·8	0·4	-0·9	-2·0	-3·0	-3·5	-3·8	-3·8	-3·7	-3·3	-2·5	-1·5	-0·4	0·8	2·0	3·0	3·7
	5	5·1	6·0	6·3	6·3	6·0	5·3	4·4	3·3	2·0	0·5	-0·8	-2·0	-2·9	-3·5	-3·9	-4·1	-4·0	-3·5	-2·9	-2·0	-1·0	0·2	1·3	2·4
	6	3·6	4·7	5·4	5·8	5·8	5·7	5·1	4·3	3·3	2·0	0·8	-0·4	-1·4	-2·3	-3·0	-3·3	-3·5	-3·5	-3·3	-2·8	-2·0	-1·1	-0·1	1·0
	7	1·9	3·1	4·0	4·7	5·2	5·4	5·2	4·7	4·0	3·0	2·0	0·7	-0·3	-1·4	-2·2	-2·8	-3·2	-3·3	-3·3	-3·2	-2·7	-2·0	-1·3	-0·5
	8	0·8	1·9	2·8	3·7	4·4	4·8	4·9	4·8	4·4	3·7	2·9	1·9	1·0	0·0	-0·7	-1·5	-2·0	-2·3	-2·4	-2·5	-2·5	-2·2	-1·8	-1·2
	9	0·1	0·9	1·6	2·3	3·2	3·7	4·1	4·3	4·3	4·0	3·5	2·7	1·9	1·0	0·3	-0·5	-1·2	-1·7	-2·1	-2·3	-2·4	-2·4	-2·3	-2·0
	10	-0·6	0·0	0·5	1·2	1·8	2·5	3·0	3·4	3·6	3·6	3·4	2·9	2·4	1·7	1·0	0·3	-0·3	-1·1	-1·6	-2·1	-2·5	-2·7	-2·8	-2·7
	11	-1·1	-0·8	0·3	0·1	0·6	1·1	1·7	2·3	2·8	3·2	3·3	3·3	3·0	2·6	1·9	1·3	0·5	-0·3	-0·9	-1·4	-1·9	-2·3	-2·7	-2·9
	12	-0·9	-0·9	-0·8	-0·5	-0·2	0·3	0·8	1·3	1·8	2·2	2·5	2·8	3·0	3·0	2·7	2·3	1·7	1·1	0·6	-0·2	-0·9	-1·5	-2·3	-2·8
	13	-0·5	-0·7	-0·9	-1·0	-0·7	-0·4	0·0	0·5	1·0	1·4	1·9	2·3	2·6	2·7	2·8	2·7	2·5	2·2	1·7	1·0	0·3	-0·5	-1·3	-2·0
	14	0·8	0·1	-0·3	-0·7	-1·0	-1·1	-1·0	-0·7	-0·3	0·0	0·6	1·1	1·7	2·2	2·7	3·1	3·2	3·3	2·9	2·5	1·9	1·1	0·3	-0·6
	15	2·8	1·9	1·0	0·3	-0·4	-0·9	-1·3	-1·5	-1·5	-1·4	-1·1	-0·5	0·0	0·7	1·4	2·1	2·9	3·5	3·7	3·9	3·8	3·3	2·5	1·5
	16	4·5	3·5	2·5	1·3	0·3	-0·6	-1·3	-1·8	-2·1	-2·2	-2·2	-2·0	-1·4	-0·6	0·2	1·1	2·1	3·0	3·8	4·2	4·4	4·2	3·8	2·9
	17	6·1	5·1	4·1	3·0	1·8	0·4	-0·6	-1·5	-2·3	-2·7	-2·9	-3·0	-2·8	-2·3	-1·5	-0·5	0·6	1·7	2·6	3·6	4·2	4·7	4·7	4·5
	18	7·3	7·0	6·3	5·1	4·0	2·4	1·0	-0·4	-1·6	-2·4	-3·0	-3·3	-3·5	-3·3	-2·7	-2·0	-1·0	0·2	1·5	2·7	3·7	4·6	5·2	5·3
	19	7·7	7·7	6·7	7·0	6·0	5·6	3·0	1·3	0·0	-1·4	-2·5	-3·3	-3·7	-4·0	-4·1	-3·7	-2·9	-2·0	-0·7	0·7	2·0	3·2	4·3	5·0
	20	6·8	7·4	7·6	7·5	6·9	6·0	4·8	3·0	1·6	0·0	-1·5	-2·7	-3·6	-4·3	-4·5	-4·6	-4·5	-3·9	-3·0	-1·9	-0·3	1·0	2·3	3·5
	21	5·0	6·2	7·0	7·3	7·2	6·8	6·0	5·0	3·5	1·9	0·3	-1·0	-2·3	-3·5	-4·3	-4·8	-4·9	-4·8	-4·6	-3·7	-2·7	-1·4	-0·2	1·2
	22	3·0	4·3	5·5	6·4	6·9	7·1	6·7	6·0	5·0	3·9	2·4	1·0	-0·7	-2·0	-3·1	-4·1	-4·6	-4·9	-5·0	-4·9	-4·6	-3·7	-2·7	-1·3
	23	0·6	2·0	3·4	4·7	5·6	6·2	6·4	6·3	5·9	5·0	4·0	2·8	1·6	0·0	-1·3	-2·7	-3·6	-4·3	-4·6	-4·9	-4·9	-4·8	-4·4	-3·7
	24	-1·4	-0·1	1·0	2·3	3·6	4·6	5·3	5·7	5·7	5·4	4·8	4·0	3·0	1·9	0·7	-0·7	-1·7	-2·8	-3·5	-4·3	-4·7	-4·8	-4·9	-4·8
	25	-2·4	-1·9	-1·1	-0·1	1·0	2·0	3·0	3·9	4·5	4·7	4·8	4·5	3·9	3·0	2·0	1·0	0·0	-1·0	-2·0	-2·9	-3·7	-4·3	-4·7	-5·1
	26	-2·2	-2·1	-1·9	-1·3	-0·7	0·0	1·0	1·9	2·7	3·3	3·9	4·1	4·2	3·9	3·3	2·5	1·9	0·9	0·0	-0·9	-1·9	-2·7	-3·5	-4·2
	27	-0·9	-1·3	-1·5	-1·6	-1·5	-1·2	-0·6	0·0	0·7	1·6	2·2	2·8	3·3	3·5	3·6	3·4	3·0	2·5	1·8	1·0	0·2	—	—	—
	28	-0·1	-1·4	-2·2	-2·7	-3·0	-3·2	-3·2	-3·0	-2·5	-2·0	-1·3	-0·5	0·2	1·0	1·5	1·9	2·1	2·0	1·7	1·2	0·5	-0·3	-1·3	-2·5
	29	1·5	0·4	-0·6	-1·6	-2·5	-3·2	-3·5	-3·8	-3·7	-3·4	-3·0	-2·4	-1·7	-0·9	0·0	0·9	1·5	2·0	2·3	2·3	2·1	1·7	0·8	-0·4
	30	3·2	2·1	1·0	-0·1	-1·3	-2·3	-3·3	-4·0	-4·3	-4·5	-4·4	-4·1	-3·5	-2·7	-1·9	-0·9	0·0	1·0	1·8	2·3	2·6	2·5	2·1	1·5
	31	4·6	4·0	2·9	1·7	0·6	-1·0	-2·0	-3·0	-3·9	-4·3	-4·5	-4·7	-4·6	-4·2	-3·5	-2·5	-1·6	-0·2	0·7	1·6	2·5	2·9	3·1	3·0

Mean Solar Time and Height of High and Low Water, corresponding with the ☽'s Upper and Lower Transit.

Date.		☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
		Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide in Feet.	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide in Feet.		
			Time.	Height in Feet.	Time,	Height in Feet.			Time.	Height in Feet.	Time.	Height in Feet.			
		H. M.	H. M.		H. M.			H. M.	H. M.		H. M.				D.
JANUARY, 1846.	1	3·17	1·40	5·7	7·30	- 7·2	12·9	15·43	14 15	7·8	21·00	- 5·9	13·7	15·0	3·3
	2	4·10	2·45	5·2	8·30	- 5·3	10·5	16·35	14·45	6·9	21.40	- 5·7	12·6	12·6	4·3
	3	5·00	3·45	4·3	9·10	- 4·0	8·3	17·24	15·30	6·0	22·30	- 5·2	11·2	12·2	5·3
	4	5·49	4·50	3·4	10·00	- 2·5	5·9	18·13	16·30	4·7	23·30	- 4·7	9·4	9·4	6·3 ☽
	5	6·37	6·15	3·1	12·00	- 1·5	4·6	19·01	17·15	3·7	24·40	- 4·5	8·2	8·2	7·3
	6	7·26	7·30	3·0	13·00	- 1·1	4·1	19·50	18·00	2·5	25·20	- 4·6	7·1	7·5	8·3
	7	8·15	8·45	3·4	14·30	- 1·3	4·7	20·39	20·00	2·4	26·30	- 4·9	7·3	8·0	9·3
	8	9·03	9·45	4·1	15·30	- 1·7	5·8	21·28	21·00	2·2	27·00	- 5·4	7·6	9·0	10·3
	9	9·52	10·10	4·6	16·30	- 2·3	6·9	22·17	22·00	2·6	27·40	- 6·1	8·7	10·0	11·3
	10	10·41	10·50	4·8	17·20	- 2·8	7·6	23·05	22·40	2·9	28·30	- 6·3	9·2	10·9	12·3
	11	11·29	11·30	5·4	17·45	- 3·3	8·7	23·52	23·15	3·3	29·00	- 6·7	10·0	11·7	13·3
	12	12·15	12·00	5·7	18·20	- 3·8	9·5	24·38	23·55	3.7	29·40	- 6·7	10·4	12·4	14·3 ○
	13	13·00	12·25	5·8	19·00	- 4·0	9·8	25·23	24·30	4·1	30·00	- 6·3	10·4	12·5	15·3 A
	14	13·44	13·00	6·1	19·20	- 4·3	10·4	—	—	—	—	—	—	12·4	16·3
	15	14·27	13·30	5·7	19·45	- 5·0	10·7	2·06	1·00	4·2	6·30	- 6·1	10·3	11·8	17·3
	16	15·10	14·00	5·4	20.10	- 4·9	10·3	2·49	1·30	3·7	7·00	- 5·7	9·4	11·1	18·3
	17	15·53	14·30	5·3	20·40	- 5·1	10 4	3·32	2·00	3·8	7·30	- 4·8	8·6	10·4	19·3
	18	16·37	15·00	4·6	21 20	- 5·0	9·6	4·17	2·30	3 2	8·00	- 3·9	7·1	9·6	20·3
	19	17·23	15·45	4·1	22·00	- 4·6	8·7	5·00	3·30	2·6	9·00	- 2·8	5·4	8·7	21·3
	20	18·12	16·15	3·6	23·00	- 4·3	7·9	5·47	4·30	2·2	9·50	- 1·7	3·9	7·9	22·3 ☾
	21	19·04	16·50	2·8	24·20	- 4·4	7·2	6·38	5.40	2·0	11·30	- 1·0	3.0	7·2	23·3
	22	20.00	18·20	2·3	25·10	- 5·3	7·6	7·34	7·00	2·6	13·45	- 1·1	3·7	7·0	24·3
	23	20·59	19·45	2·5	26·35	- 6·8	9·3	8·30	8·25	3·8	14·50	- 1·4	5·2	9·1	25·3
	24	22·00	21·00	3·2	27·30	- 7·9	11·1	9·29	9·25	4·8	15.35	- 2·7	7·5	11·6	26·3
	25	23·02	22·00	4·3	28·15	- 8·6	12·9	10·31	10·15	6·0	16·30	- 3·7	9·7	13·9	27·3
	26	24·02	23·00	5·4	29·00	- 9·2	14·6	11·32	10·55	7·0	17·00	- 5·2	12·2	15·6	28·3
	27	25·01	23·45	5·8	30·00	- 9·4	15·2	12·32	11·45	7·6	18 15	- 6·3	13·9	16·8	29·3 ● P
	28	25·56	24·40	6·2	30·30	- 9·1	15·3	13·39	12·30	7·8	19·00	- 7·4	15·2	17·2	0·9
	29	—	—	—	—	—	—	14·23	13·15	7·4	19·45	- 8 3	15·7	16·5	1·9
	30	2·50	1·20	5·6	7·30	- 8·3	13·9	15·15	14·00	6·8	20·30	- 8·1	14·9	15·1	2·9
	31	3·41	2·15	5·3	8·00	- 6·4	11·7	16·06	14·30	6·2	21·00	- 7.8	14·0	14.0	3·9
FEBRUARY, 1846.	1	4·32	3·15	4·2	8·30	- 4·6	8·8	16·56	15·00	4·8	21·30	- 6·4	11·2	11·0	4·9
	2	5·21	4·00	3·2	9·30	- 3·2	6·4	17·46	16·00	3·5	22·30	- 5·5	9·0	9·0	5·9 ☽
	3	6·11	5·15	2·0	11·30	- 2·2	4·2	18·36	16·45	2·1	24·00	- 5·0	7·1	7·1	6·9
	4	7·00	6·30	1·4	12·00	- 1·5	2·9	19·25	17·45	1·0	24·45	- 4·2	5·2	6·5	7·9
	5	7·49	8·30	1·8	13·30	- 1·4	3·2	20·14	18·30	0·4	26·00	- 4·2	4·6	6·0	8·9
	6	8·38	9·30	2·3	14·45	- 2·0	4·3	21·02	21·00	0·7	27·15	- 5·5	6·2	6·5	9·9
	7	9·26	10·00	3·5	15·45	- 2·6	6·1	21·49	22·00	1·3	27·30	- 5·8	7·1	9·0	10·9
	8	10·13	11·00	4·0	17·30	- 2·2	6·2	22·36	22·30	2·4	28·20	- 5·6	8·0	9·8	11·9
	9	10·58	11·40	4·5	17·45	- 3·2	7·7	23·20	23·00	3·3	29·00	- 6·2	9·5	10·1	12·9 A
	10	11·43	12·00	5·5	18·00	- 4·2	9·7	24·05	23.30	3·8	29·30	- 6·3	10·1	11·7	13·9
	11	12·26	12·20	5·8	18·30	- 4·7	10·5	24·48	24·05	4·4	29 45	- 6·3	10·7	12·1	14·9 ○
	12	13·09	12·30	5·8	18·45	- 5·4	11·2	25·32	24·30	4.4	30·15	- 6·3	10·7	12·1	15·9
	13	13·52	13·00	5·7	19·00	- 6·0	11·7	—	—	—	—	—	—	12·0	16·9
	14	14·36	13·30	5·4	19·30	- 6·2	11·6	2·14	1·00	4·6	6·40	- 6·0	10·6	11·6	17·9
	15	15·21	13·45	5·1	20·00	- 6·6	11·7	2·58	1·40	4·4	7·00	- 5·2	9·6	11·7	18·9
	16	16·08	14·10	4·6	20·30	- 6·2	10·8	3·45	2·20	4·2	7·40	- 4·7	8·9	10·8	19·9
	17	16.58	15·00	3·8	21·30	- 5·8	9·6	4·33	3·00	3·7	8·30	- 3·3	7·0	9·6	20·9
	18	17·53	15·40	3·2	22·30	- 5·4	8·6	5·25	4·00	3·0	9·15	- 2·4	5·4	8·6	21·9 ☾
	19	18·47	16·30	2·0	23·15	- 5·4	7·4	6·20	5·00	2·3	11·30	- 1·7	4·0	7·7	22.9
	20	19·44	18·00	1·5	25·00	- 5·7	7·2	7·16	6·30	2·0	13·00	- 1·9	3·9	7·7	23·9
	21	20·44	20·00	1·8	25·40	- 6·3	8·1	8·14	8·30	2·9	14·40	- 2·9	5·8	8·6	24·9
	22	21·43	21·15	2·9	27·00	- 7·2	10·1	9·13	9·30	3·9	15·20	- 4·1	8·0	10·2	25·9
	23	22·41	22·15	4·3	28·00	- 8·0	12·3	10·12	10·00	5·7	16·20	- 4·9	10·6	12·9	26·9
	24	23·38	23·00	5·7	29·00	- 8·8	14·5	11·10	10·30	6·8	17·00	- 6·2	13·0	14·8	27·9 P
	25	24·35	23·45	6·0	29·30	- 8·8	14·8	12·07	11·40	7·2	17·40	- 7·8	15·0	16·0	28·9 ●
	26	25·27	24·30	6·4	30·30	- 8·2	14·6	13·01	12·10	7·4	18·30	- 8·7	16·1	16·2	0·5
	27	—	—	—	—	—	—	13·53	12·40	7·1	19·00	- 8·4	15·5	15·5	1·5
	28	2·19	1·15	6·5	7·00	- 6·7	13·2	14·45	13·50	7·0	19·45	- 8.2	15·2	15·2	2.5
	29														
	30														
	31														

Mean Solar Time and Height of High and Low Water, corresponding with the ☽'s Upper and Lower Transit.

Date.		☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
		Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide in Feet.	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide in Feet.		
			Time.	Height in Feet.	Time.	Height in Feet.			Time.	Height in Feet.	Time.	Height in Feet.			
		H. M.	H. M.		H. M.			H. M.	H. M.		H. M.				D.
MARCH, 1846.	1	3·11	2·00	6·1	7·35	- 5·7	11·8	15·37	14·00	5·9	20·10	- 7·3	13·2	13·4	3·5
	2	4·02	2·45	5·9	8·10	- 4·4	10·3	16·28	14·30	4·3	21·00	- 6·7	11·0	12·6	4·5
	3	4·53	3·15	3·6	9·00	- 3·2	6·8	17·18	15·10	3·1	21·30	- 5·4	8·5	9·0	5·5
	4	5·43	4·30	2·3	10·00	- 2·2	4·5	18·08	15·55	1·8	22·30	- 4·3	6·1	6·6	6·5 ☽
	5	6·33	5·25	1·8	11·20	- 1·2	3·0	18·57	16·45	0·7	23·30	- 3·2	3·9	5·0	7·5
	6	7·21	7·00	1·3	13·00	- 1·2	2·5	19·45	18·00	0·2	25·00	- 3·2	3·4	4·5	8·5
	7	8·09	8·45	1·9	15·05	- 1·8	3·7	20·32	20·00	0·2	26·30	- 3·7	3·9	5·1	9·5
	8	8·55	9 30	2·9	16·00	- 2·8	5·7	21·17	21·15	1·0	27·30	- 4·6	5·6	6·6	10·5 A
	9	9·39	10·00	3·9	16 30	- 3·9	7·8	22·01	22·00	2·3	28·20	- 5·7	8·0	8·5	11·5
	10	10·23	10·30	4·3	17·00	- 4·8	9·1	22·45	22·30	3.2	29·15	- 6·3	9·5	10·0	12·5
	11	11·07	11·00	4·6	17·30	- 6·1	10·7	23·28	23·30	4·0	29·45	- 6·2	10·2	10·9	13·5
	12	11·50	11·30	5·1	18·00	- 5·8	10.9	24·12	23·50	4·7	30·00	- 5·7	10·4	11·3	14·5 ○
	13	12·34	12·00	5·4	18·15	- 6·2	11·6	24·57	24·15	5·2	30·15	- 5·6	10·8	11·6	15·5
	14	13·19	12·30	5·6	18·30	- 6·9	12·5	25·43	24·50	5·1	30·35	- 5·7	10·8	12·5	16·5
	15	14·06	13·00	5·0	19·00	- 7·6	12·6	—	—	—	—	—	—	12·7	17·5
	16	14·56	13·30	4·8	19·45	- 7·3	12·1	2·31	1·30	5·0	7·00	- 5·3	10·3	12·3	18·5
	17	15·47	14·00	4·3	20·15	- 6 9	11·2	3·21	2·00	4·9	7·30	- 4·6	9·5	11·8	19·5
	18	16·41	14·30	3·8	20·45	- 5·9	9·7	4·14	3·00	4·7	8·00	- 3·3	8·0	10·6	20·5
	19	17·37	15·20	3·0	21·30	- 5·4	8·4	5·09	3·45	3·9	9·20	- 2·3	6·2	9·3	21·5
	20	18·34	16·30	2·1	23·00	- 5·0	7·1	6·06	4·30	3·2	11·00	- 1·9	5·1	8·2	22·5 ☾
	21	19·32	18·00	1·3	24·30	- 5·0	6·3	7·03	6·00	2·8	12·30	- 2·1	4·9	7·8	23·5
	22	20·28	19·40	1·4	25·50	- 5·2	6·6	8·00	7·30	2·9	14·00	- 3·7	6·6	7·9	24·5
	23	21·24	21·00	3·1	26·40	- 6·1	9·2	8·56	8·30	3·6	15·00	- 4·7	8·3	8·8	25·5
	24	22·18	22·00	4·6	27·40	- 6·7	11·3	9.51	9·20	5·1	15·40	- 5·8	10·9	11·2	26·5 P
	25	23·11	22·40	5·8	28.45	- 6·4	12·2	10·45	10 00	6·0	16·30	- 6·2	12·2	12·7	27·5
	26	24·04	23·20	6·8	29·20	- 6·7	13·5	11·38	10·45	6·8	17·10	- 7·8	14·6	14·6	28·5 ●
	27	24·57	24·10	6·9	30·00	- 6·3	13·2	12·30	11·30	7·0	18·00	- 8·2	15·2	15.2	0·1
	28	25·49	24·50	6·5	30·45	- 6·0	12·5	13·23	12·20	6·4	18·30	- 8·4	14·8	15·3	1·1
	29	—	—	—	—	—	—	14·15	13·00	5·7	19·10	- 8·2	13·9	14·7	2·1
	30	2·41	1·25	6·2	7·15	- 5·0	11·2	15·07	13 30	4·9	19·40	- 7·3	12·2	13·5	3·1
	31	3·33	—	—	—	—	—	15·59	—	—	—	—	—	—	4·1
APRIL, 1846.	1	4·24	3·00	4,3	9·00	- 2·8	7.1	16·49	14·30	3·0	20·45	- 5·0	8·0	9·3	5·1
	2	5·14	3.45	3·3	10·00	- 2·0	5·3	17·38	15·15	1·9	21·15	- 3·6	5·5	6·9	6·1
	3	6·02	4·30	2·7	11·15	- 1·4	4·1	18·26	16·00	0·9	22·00	- 2·7	3·6	5·4	7·1 ☽
	4	6·49	5·35	2·2	13·00	- 1·6	3·8	19·12	17·00	0·2	23·30	- 2·2	2·4	4.4	8·1
	5	7·35	7·00	2·0	14·35	- 2·2	4·2	19·57	19·45	0·6	25·00	- 2·8	3·4	4·8	9·1 A
	6	8·19	8·15	2·4	15·00	- 3·0	5·4	20·10	20·45	1·7	26.15	- 3 2	4·9	5·4	10·1
	7	9·02	9·10	3·1	15·50	- 3·9	7·0	21·24	21·30	2·5	27·00	- 4·0	6.5	7·0	11·1
	8	9·46	9·45	3·7	16·10	- 4·9	8·6	22·07	22·00	3·3	28·00	- 4·4	7·7	8·6	12·1
	9	10·29	10·15	4·1	16·30	- 5·8	9·9	22·57	22·45	4·3	28·40	- 4·7	9·0	10·1	13·1
	10	11·24	10·30	4·4	16·50	- 6·5	10·9	23·43	23·00	4·9	29·00	- 5·1	10·0	11·4	14·1
	11	12·01	11·00	4·7	17·00	- 7·6	12·3	24·26	23·45	5·2	30·00	- 5·3	10·5	12·8	15·1 ○
	12	12·51	12·00	4·4	17.45	- 8·4	12·8	25·17	24·30	5·4	30·30	- 5·3	10·7	13·8	16·1
	13	13·42	12·20	4·5	18·15	- 8·5	13·0	—	—	—	—	—	—	13·9	17·1
	14	14·37	12·40	3·8	18·30	- 8·5	12·3	2·09	1·15	5·6	7·00	- 5.0	10·6	14·1	18·1
	15	15·33	13·45	4·1	19·30	- 7·2	11·3	3·05	2·00	5·5	7·30	- 4·2	9·7	12·7	19·1
	16	16·30	14·25	3·5	20·15	- 6·1	9·6	4·01	2·30	5·5	8.10	- 3·3	8·8	11·6	20·1
	17	17·27	15·15	2·9	21·15	- 5·3	8·2	4·58	3·15	5·1	10·00	- 2·6	7·7	10·4	21·1
	18	18 23	16·15	2·2	22·45	- 4·3	6·5	5·55	4·30	4·3	11·30	- 2·3	6·6	8·6	22·1 ☾
	19	19·17	18·00	2·0	24·00	- 4·5	6·5	6 50	5·20	3·7	12·10	- 3·1	6·8	8·2	23·1
	20	20·10	19·30	2·7	25·20	- 4·4	7·1	7·44	6·40	3.8	13.30	- 4·1	7·9	8·3	24·1
	21	21·02	20·30	3·8	26·30	- 4·7	8·5	8·36	8·00	4·2	14·30	- 5·2	9·4	9·4	25·1 P
	22	21·53	21·30	5·2	27·30	- 4·7	9·9	9·28	8·45	4·8	15·00	- 6·5	11·3	11·7	26·1
	23	22·45	22·15	6·3	28·15	- 4·7	11·0	10·19	9·30	5·7	16·00	- 7·2	12·9	13·5	27·1
	24	23·37	23·00	5·7	29·10	- 4·8	10·5	11·11	10·20	5·8	16·30	- 8·7	14·5	14·5	28·1
	25	24·29	24·10	6·5	30·00	- 5·4	11·9	12·03	11·15	5·0	17·30	- 8·6	13·6	15·1	29·1 ●
	26	25·21	24·30	6·3	30·40	- 4·8	11·1	12·55	12·00	4·4	18·00	- 8·6	13·0	15·1	0·6
	27	—	—	—	—	—	—	13·47	12·25	4·6	18·30	- 7·8	12·4	14·1	1·6
	28	2·13	1·10	6.0	7·15	- 4·3	10·3	14·39	13·00	4·2	19·00	- 7·1	11·3	13·1	2·6
	29	3·04	2·00	5·3	8·00	- 4·0	9·3	15·29	13·50	3·4	19·30	- 6·2	9·6	11·5	3·6
	30	3·54	2·45	4·7	8·30	- 3·2	7·9	16·14	14·15	2·7	20·00	- 5·0	7·7	9·7	4·6
	31														

Mean Solar Time and Height of High and Low Water, corresponding with the ☽'s Upper and Lower Transit.

	Date.	☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
		Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide in Feet.	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide in Feet.		
			Time.	Height in Feet.	Time.	Height in Feet.			Time.	Height in Feet.	Time.	Height in Feet.			
		H. M.	H. M.		H. M.			H. M.	H. M.		H. M.				D.
MAY, 1846.	1	4·42	3·20	4·0	9·00	- 2·4	6·4	17·05	15·20	1·7	20·30	- 4·0	5·7	8·0	5·6
	2	5·28	4·00	3·3	10·00	- 1·8	5·1	17·50	—	—	—	—	—	—	6·6
	3	6·13	—	—	—	—	—	18·35	—	—	—	—	—	—	7·6 ☽ A
	4	6·56	—	—	—	—	—	19·18	—	—	—	—	—	—	8·6
	5	7·39	7·00	2·7	13·30	- 3·2	5·9	20·01	20·00	1·8	25·15	- 2·2	4·0	—	9·6
	6	8·23	8·00	3·9	14·30	- 3·3	7·2	20·45	20·40	3·5	26·30	- 1·8	5·3	7·2	10·6
	7	9·07	8·45	4·0	15·00	- 4·3	8·3	21·30	21·10	4·3	27·30	- 2·6	7·9	8·6	11·6
	8	9·53	9·30	4·1	15·30	- 5·5	9·6	22·17	22·00	5·0	28·00	- 3·0	8·0	10·5	12·6
	9	10·42	10·00	4·7	16·00	- 6·3	11·0	23·07	22·30	6·0	28·45	- 3·3	9·9	12·3	13·6
	10	11·33	10·35	5·0	16·30	- 7·1	12·1	24 01	23·05	6·7	29·30	- 3·9	10·6	13·8	14·6 ○
	11	12·28	11·30	5·0	17·30	- 8·0	13·0	24·56	24·05	6·8	30·20	- 4·1	10·9	14·8	15·6
	12	13·25	12·20	5·0	18·25	- 8·1	13·1	25·54	25·00	6·8	31·00	- 4·2	11·0	14·9	16·6
	13	14·23	13·00	4·5	18·45	- 8·0	12·5	—	—	—	—	—	—	14·8	17·6
	14	15·21	13·30	4·3	19·30	- 7·0	11·3	2·52	2·00	6·5	8·00	- 4·1	10·6	13·5	18·6
	15	16·18	14·30	3·9	20·20	- 6·4	10·3	3·50	2·30	6·3	8·40	- 3·9	10·2	12·7	19·6 P
	16	17·14	15·25	3·1	21·00	- 5·4	8·5	4·46	3·15	5·8	9·30	- 3·7	9·5	11·2	20·6
	17	18·07	16·40	2·9	22·10	- 4·0	6·9	5·40	4·00	5·2	11·00	- 3·8	9·0	9·2	21·6 ☾
	18	18·58	18·00	2·8	23·35	- 3·5	6·3	6·33	5·05	4·9	12·00	- 3·8	8·7	8·7	22·6
	19	19·49	19·35	3·8	24·40	- 3·2	7·0	7·24	6·00	4·4	13·15	- 4·5	8·9	8·9	23·6*
	20	20·40	20·45	4·3	26·00	- 3·2	7·5	8·14	7·20	4·2	14·15	- 5·7	9·9	10·0	24·6
	21	21·29	21·30	5·2	27·00	- 3·2	8·4	9·04	8·25	4·2	14·45	- 6·3	10·5	11·5	25·6
	22	22·20	22·10	5·8	28·05	- 3·4	9·2	9·54	9·15	4·2	15·30	- 7·0	11·2	12·8	26·6
	23	23·12	23·00	6·3	29·00	- 3·9	10·2	10·46	10·05	4·6	16·15	- 7·2	11·8	13·5	27·6
	24	24·04	23·40	6·7	30·00	- 3·8	10·5	11·38	10·45	4·4	17·00	- 7·6	12·0	14·3	28·6 ●
	25	24·55	24·15	6·4	30·30	- 3·6	10·0	12·29	11·30	4·5	17·30	- 7·2	11·7	13·6	0·1
	26	25·46	25·00	6·1	31·15	- 3·4	9·5	13·20	12·10	4·4	17·50	- 6·8	11·2	13·2	1·1
	27	—	—	—	—	—	—	14·10	12·45	4·1	18·30	- 6·2	10·3	12·3	2·1
	28	2·35	1·40	5·7	8·00	- 3·4	9·1	14·58	13·15	3·5	19·00	- 5 8	9·3	11·5	3·1
	29	3·22	2·15	5·2	8·30	- 3·3	3·5	15·45	14·00	2·9	19·30	- 4·9	7·8	10·1	4·1
	30	4·07	3·00	4·7	9·00	- 3·0	7·7	16·29	14·30	2·3	20·00	- 4·0	6·3	8·7	5·1
	31	4·51	3·45	4·4	10·00	- 2·7	7·1	17·12	15·45	2·0	21·45	- 2·6	4·6	7·1	6·1 A
JUNE, 1846.	1	5·34	4·35	4·6	—	—	—	17·56	—	—	—	—	—	—	7·1 ☽
	2	6·17	—	—	11·30	- 2 3	—	18·38	18·00	2·0	23·00	- 1 1	3·3	—	8·1
	3	7·00	5·40	4·6	12·00	- 1·7	6·3	19·22	19·00	3·6	24·00	- 0·5	4·1	6·3	9·1
	4	7·44	6.30	4·3	13·00	- 3·0	7 3	20·08	20·00	4·0	25·30	- 0·7	4·7	7·3	10·1
	5	8·31	7·30	4·2	14·15	- 3·8	8·0	20.56	21·00	5·2	26·30	- 0·7	5·9	9·0	11·1
	6	9·21	8·30	4·6	14·50	- 4·8	9·4	21·47	21·45	6·3	27·15	- 1·2	7·5	11·1	12·1
	7	10·14	9·30	4·9	15·20	- 5·2	10·1	22·43	22·15	7·0	28·30	- 1·6	8·6	12·2	13·1
	8	11.11	10·00	5·7	16·00	- 6·0	11·7	23·40	23·00	8.0	29·15	- 2·2	10·2	14·0	14·1
	9	12·09	11·00	6·2	17·00	- 6·8	13 0	24·39	23·45	8·4	30·00	- 2·7	11·1	15·2	15·1 ○
	10	13·09	11·45	6.4	18·00	- 7·0	13·4	25·39	24·30	8·9	31·00	- 3·0	11·9	15·9	16·1
	11	14·09	12·45	6·4	18·45	- 6·6	13·0	—	—	—	—	—	—	15·5	17·1 P
	12	15·08	13·30	6·5	19·30	- 5·8	12.3	2·38	1·40	9·2	8·00	- 3·2	12·4	15·0	18·1
	13	16·02	14·30	6·0	20·15	- 5·0	11·0	3·35	2·30	8·2	9·00	- 3·5	11·7	13·2	19·1
	14	16·55	15·15	4·9	21·00	- 4·0	8·9	4·29	3·00	7·6	9 30	- 3·5	11·1	11·6	20.1
	15	17·47	16·30	4·8	22·15	- 2·3	7·1	5·21	3·45	7·0	10·30	- 3·4	10·4	10·4	21·1 ☾
	16	18.37	17·45	4·7	23·15	- 1·5	6·2	6·12	4·30	6·6	11·45	- 3·2	9·8	9·8	22·1
	17	19·27	18·40	4·6	24·45	- 1·0	5·6	7·02	5·45	6·0	13·00	- 3·7	9·7	9·7	23·1
	18	20·17	20·30	5·6	—	—	—	7·52	6·45	5.0	13·45	- 4·3	8·3	9·9	24·1
	19	21·07	21·15	6·1	2·00	- 0·7	6·8	8·42	7·45	4.7	14·30	- 4·3	9·0	10·4	25·1
	20	21·58	22·00	6·6	3·00	- 1.0	7·6	9·33	8·45	4·7	15·05	- 4·8	9·5	11·4	26·1
	21	22·49	22·45	7·0	4·00	- 1·4	8·4	10·23	9·45	4·8	15·45	- 5·4	10·2	12·4	27·1
	22	23·39	23·30	7.3	4·30	- 2·0	9·3	11·14	10·30	5·2	16·30	- 5·2	10·4	12·5	28·1
	23	24·29	23.55	7·1	5·15	- 2·0	9·1	12·04	11·10	5·2	17·00	- 5·0	10·2	12·1	29·1 ●
	24	25.17	—	—	5·50	- 2·3	—	12·53	12·00	5·0	17·45	- 4·7	9·7	—	0·6
	25	—	—	—	—	—	—	13·40	—	—	—	—	—	—	1·6
	26	2·03	0·30	7·2	7·00	- 2·2	9·4	14·25	13·00	5·2	18·40	- 3.7	8·9	10·9	2·6
	27	2·47	1·30	6·9	7·40	- 2·2	9·1	15.09	13·45	5·0	19·30	- 3·3	8·3	10·2	3·6 A
	28	3·31	2·15	6·3	8·30	- 2·2	8·5	15·51	14·15	4·3	20·15	- 2·0	6·3	8·5	4·6
	29	4·11	3·00	6·2	9·15	- 2·2	8·4	16·33	15·00	4·0	21·30	- 1·0	5·0	8·4	5·6
	30	4·55	3·30	5·2	10·00	- 2·1	7·3	17·17	15·30	3·3	22·00	- 1·0	4·3	7·3	6·6
	31														

Mean Solar Time and Height of High and Low Water, corresponding with the ☽'s Upper and Lower Transit.

Date.		☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
		Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide in Feet.	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide in Feet.		
			Time.	Height in Feet.	Time.	Height in Feet.			Time.	Height in Feet.	Time.	Height in Feet.			
		H. M.	H. M.		H. M.			H. M.	H. M.		H· M·				D.
JULY, 1846.	1	5·38	4·00	4.8	10·30	– 2·3	7·1	18·01	17·00	3·2	23·45	– 0·9	4·1	7·1	7·6 ☽
	2	6·23	5·00	4·3	11·45	– 2·8	7·1	18·47	18·00	3·2	24 00	– 0·6	3·8	7·1	8·6
	3	7·10	6·00	4·0	12·45	– 2·5	6·5	19·35	19·00	3·8	25·30	– 0·3	4·1	6·5	9·6
	4	8·00	6·45	3·8	13 30	– 3·8	7·6	20·27	20·15	4·6	26·15	– 0·4	5·0	8·4	10·6
	5	8·55	7·45	3·9	14·00	– 4·3	8·2	21·23	21·00	5·7	27·00	– 0·7	6·4	10·0	11·6
	6	9·51	9·00	4·3	15·00	– 5·2	9·5	22·21	22·15	6·4	28·00	– 1·7	8·1	11·6	12·6
	7	10·51	10·00	5·3	16·00	– 6·0	11·3	23·22	23·00	8·0	29·00	– 2·3	10·5	14·0	13·6
	8	11·52	10·45	6·3	17·00	– 5·9	12·2	24·22	23·35	8·2	30·00	– 3·3	11·4	14.1	14·6 ○
	9	12·52	11·35	6·3	17·30	– 6·1	12·4	25·22	24·15	8·6	30·20	– 4·1	12·7	14·7	15.6
	10	13·51	12·30	6·9	18·15	– 6·0	12·9	—	—	—	—	—	—	14·6	16·6 P
	11	14·47	13·50	7·2	18.55	– 6·0	13·2	2·19	1·05	9·2	7·30	– 4·3	13·5	15·2	17·6
	12	15·41	14·50	6·8	20·00	– 5·2	12 0	3·14	2·00	8·8	8·20	– 4·6	13·4	14·0	18·6
	13	16·33	15·00	6·3	21·00	– 3·7	10·0	4·07	2.45	8 0	9·00	– 4·7	12·7	12·7	19·6
	13	17·24	16·05	5·1	21·45	– 2·2	7·3	4·58	3·30	7·4	10·00	– 4·3	11·7	12·5	20·6
	15	18·14	17·30	4·7	23·00	– 0.8	5·5	5·49	4·10	6·3	10·45	– 4·1	10·4	10·4	21 6 ☾
	16	19·05	18·45	4·5	24·45	– 0·6	5·1	6·39	5·00	5·2	12·00	– 3·8	9·0	9·0	22·6
	17	19·55	19·45	4·7	26·00	– 0·5	5·2	7·30	6·15	3·9	13·05	– 3·5	7·4	8·2	23.6
	18	20.46	29·45	5·1	27·30	– 0·5	5 6	8·20	7 20	3·7	14·00	– 3·6	7·3	8·7	24·6
	19	21·36	21·30	6·0	28·15	– 0·9	6·9	9·11	8·10	3·7	15·00	– 4·1	7·8	10·1	25·6
	20	22 25	22·30	6·4	28·35	– 1·2	7·6	10·01	9·30	4·1	15·45	– 4·2	8·3	10·6	26·6
	21	23·13	23·00	6·8	29·15	– 1·6	8·4	10.49	10·05	4·7	16.10	– 4·9	9·6	11·7	27·6
	22	24·00	23·40	7·2	29·45	– 2·0	9·2	11·37	11·15	5·3	17·00	– 5·0	10·3	12·2	28·6 ●
	23	24·45	24·25	7·2	30·05	– 2·4	9·6	12·23	12·00	5·5	17·30	– 4·5	10·0	11·7	0·0
	24	25·29	25·00	7·0	30·45	– 2·8	9·8	13·07	12·15	5·5	18·00	– 4·2	9·7	11·4	1·0
	25	—	—	—	—	—	—	13·50	12·40	5·7	18·45	– 3·8	9·5	10·8	2·0 A
	26	2·11	1·30	7·0	7·15	– 3·2	10·2	14·32	13·15	5·6	19·15	– 3·6	9·2	10·6	3·0
	27	2·53	1·50	6·7	7·45	– 3·0	9·7	15·14	13·45	5·3	19·45	– 3·0	8 3	9·7	4·0
	28	3·36	2·20	6·4	8·30	– 3·0	9·4	15·57	14·30	5·2	20·15	– 1·7	6·9	9·4	5·0
	29	4·19	3·00	6·0	9·00	– 3·0	9·0	16·42	15·10	4·2	21·00	– 1·0	5·2	9·0	6·0
	30	5·04	3·45	5·4	9·45	– 3·1	8·4	17·28	16·00	3·9	21·30	– 0·1	4·0	8·5	7·0
	31	5·52	4·15	4·7	10.30	– 2·7	7·4	18·17	17·00	3·7	23·00	– 0·6	3·1	7·4	8·0
AUGUST, 1846.	1	6·42	5·00	3·9	11·45	– 2·3	6·2	19.09	18·30	3·9	24·30	– 0·2	3·7	6·2	9·0
	2	7·36	6·00	3·7	13·00	– 3·0	6·7	20.05	19·40	4·5	26·00	– 0·1	4·6	7·5	10·0
	3	8·33	7 35	3·8	13·50	– 4·2	8·0	21·03	20·45	5·6	26·45	– 0·7	6·3	9·8	11·0
	4	9·33	8·30	4·3	15 00	– 5·1	9·4	22·03	21·45	6·7	28·00	– 1·4	8·1	11·8	12·0
	5	10·33	9.50	6·6	16·00	– 5·2	11·8	23·03	22·35	7·7	28·30	– 2·3	10·0	12·9	13·0
	6	11·33	10·30	6.2	16 30	– 7·0	13·2	24·02	23·00	8·0	29·40	– 4·9	12·9	15.0	14·0 ○
	7	12·31	11·15	6·7	17·30	– 7·5	14·2	25·00	24 00	8·4	30·30	– 5·8	14·2	15·9	15·0 P
	8	13·28	12·15	7·1	18·15	– 6·7	13·8	25·55	24·40	8·2	31·00	– 6·0	14·2	15·1	16·0
	9	14·23	13·00	7·2	19·00	– 5·4	12·6	—	—	—	—	—	—	14·2	17·0
	10	15·16	13·45	7·2	19·45	– 5·2	12.4	2·49	1·15	8·0	7·30	– 5·9	13·9	13·9	18·0
	11	16 08	14·40	6·2	20 30	– 4·2	10·4	3·42	2·00	7·6	8·00	– 5·5	13·1	13·1	19 0
	12	17·00	15·45	5·3	21·30	– 3·7	9·0	4·34	2·45	6·7	9·15	– 5·2	11·9	11·9	20·0
	13	17·51	16·15	4·4	22·15	– 3·4	7·8	5·26	3·30	5 2	9·45	– 3·7	8·9	8·9	21·0 ☾
	14	18·43	16·45	4·0	23 00	– 3·2	7·2	6·17	4·30	3·9	11.00	– 1·7	5·6	7·2	22·0
	15	19·33	17·40	3·0	24·45	– 3·0	6·0	7·08	6·00	3·7	12·30	– 0·9	4·6	6·0	23·0
	16	20·23	19·00	2·2	25·45	– 3·1	5·3	7·58	7·30	3·4	13·15	– 0·6	4·0	6·4	24·0
	17	21·11	20·00	2·4	26·30	– 3·7	6·1	8·47	8·45	3·9	14·30	– 0·9	4·8	7·0	25·0
	18	21·58	21·20	3·2	27·15	– 4·0	7·2	9·39	9·30	4·7	15·30	– 1·3	6·0	8·4	26·0
	19	22·43	22·10	3·9	28·00	– 4·1	8·0	10·20	10·00	5·3	16·15	– 1·6	6·9	9·3	27·0
	20	23·27	22·30	4·4	28·40	– 4·4	8·8	11·05	10·40	5·6	17·00	– 2·2	7·8	9·7	28·0
	21	24·10	23·00	4·8	29·10	– 4·6	9·4	11.49	11·15	5·9	17·20	– 2·8	8·7	10·3	29·0 ● A
	22	24·53	23·45	5·2	29·45	– 4·6	9·8	12·31	11·45	6·2	17·45	– 3·5	9·7	10·8	0·3
	23	25·35	24·03	5·7	30·30	– 4·8	10·5	13·14	12·20	4·8	18·10	– 5·1	9·9	10·8	1·3
	24	—	—	—	—	—	—	13·57	13·00	4·8	18·45	– 4·7	9·5	10·5	2·3
	25	2·18	1·15	5·4	7·00	– 4·9	10·3	14·40	13·30	4·8	19·10	– 4·2	9·0	10·3	3·3
	26	3·02	1·45	5·2	7·30	– 4·8	10·0	15·25	14·00	4·6	19·45	– 3·2	7·8	10·0	4·3
	27	3·48	2·15	4·7	8·00	– 4·8	9·5	16·12	14·35	3·9	20·30	– 2·3	6·2	9.5	5·3
	28	4·37	2·45	4·0	8·45	– 4·7	8·7	17·02	15·40	3·4	21·15	– 1·7	5·1	8·7	6·3
	29	5·28	3·30	3·2	9·35	– 4.3	7·5	17 55	16·20	2.8	22·45	– 0·9	3·7	7·5	7·3 ☽
	30	6·22	4·25	2·6	10·40	– 4·2	6·8	18·50	17·40	2·7	24·15	– 1·0	3·7	6·9	8·3
	31	7·18	5·30	1·9	12·20	– 3·6	5·5	19·47	19·30	3·3	25·30	– 1·3	4·6	6·9	9·3

Mean Solar Time and Height of High and Low Water, corresponding with the ☽'s Upper and Lower Transit.

Date.		☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
		Time of ☽'s Transit	High Water.		Low Water.		Range of Tide in Feet.	Time. of ☽'s Transit.	High Water.		Low Water.		Range of Tide in Feet.		
			Time.	Height in Feet	Time.	Height in Feet.			Time.	Height in Feet.	Time.	Height in Feet.			
		H. M.	H. M.		H. M.			H. M.	H. M.		H. M.				D.
SEPTEMBER, 1846.	1	8·16	7·00	2·1	13·40	– 4·9	7·0	20·45	20·35	4·2	26·30	– 2·3	6·5	9·1	10·3
	2	9·15	8·30	3·2	14·45	– 5·8	9·0	21·44	21·30	5·7	27·30	– 3·1	8·8	11·5	11.3
	3	10·13	9·45	4·7	15·35	– 6·6	11·3	22·42	22·05	6.6	28·15	– 5·1	11·7	13·2	12·3
	4	11·10	10·30	6·0	16·30	– 6·5	12·5	23·38	22·45	7·6	29·15	– 6·0	13·6	14·1	13·3
	5	12·06	11·15	7·1	17·00	– 6·3	13·4	24·34	23·30	7·8	30·00	– 7·0	14·8	14·1	14·3 ○ P
	6	13·01	12·00	7·5	18·00	– 6·0	13·5	25·28	24·15	7·7	30·35	– 7·2	14·9	14·7	15·3
	7	13·56	12·45	8·0	18·45	– 5·7	13·7	—	—	—	—	—	—	15·2	16·3
	8	14·50	13·35	7·6	19·15	– 4·6	12·7	2·23	1·00	8·0	7·15	– 7·1	15·1	15·1	17·3
	9	15·43	14·30	6·9	20·15	– 3·2	10·1	3·16	1·30	7·3	8·00	– 6·3	13·6	13·6	18·3
	10	16·36	15·15	5·7	21·00	– 1·8	7·5	4·09	2·15	6·2	8·45	– 5·2	11·4	11·4	19·3
	11	17·27	16·00	4·5	22·00	– 0·7	5·2	5·01	3·00	4·7	9·15	– 4·0	8·7	8·7	20·3 ☾
	12	18·18	17·30	3·7	23·45	– 0·2	3·9	5·53	3·45	3·6	10.00	– 2·8	6·4	6 5	21·3
	13	19·08	18·30	3·6	25·00	– 0·6	4·2	6·43	4·45	2·3	11·45	– 2·3	4·6	5·9	22·3
	14	19·55	20·00	4·0	26.00	– 1·0	5·0	7·31	6·30	1·9	13·15	– 2·7	4·6	6·7	23·3
	15	20·41	21·00	4·6	27·00	– 1.8	6·4	8·18	8.00	2·6	14·00	– 3·0	5·6	7·6	24·3
	16	21·25	21·40	4·8	27.30	– 2·3	7·1	9·03	9·00	3·3	15·00	– 3·1	6·4	7·9	25·3
	17	22·09	22·10	5·4	28·10	– 3·0	8·4	9·47	10·00	3.9	15·30	– 3·3	7·2	8·7	26·3 A
	18	22·51	22·50	5·9	28·40	– 3·6	9·5	10·30	10·20	4·6	16·00	– 3·5	8·1	9·4	27·3
	19	23·34	23·15	6·4	29·00	– 3·9	10·3	11·12	10.55	5·4	16·45	– 3·3	8·7	10·0	28·3
	20	24·17	23·35	6·2	29·30	– 4·7	10·9	11·55	11·15	6·2	17·00	– 3·8	10·0	10·1	29·3 ●
	21	25·01	24·00	6·4	29·45	– 5·0	11·4	12·39	11·45	6·3	17·35	– 3·8	10·1	11·1	0·7
	22	25·47	24·25	6·2	30·15	– 5·3	11·5	13·24	12·00	6·6	18·00	– 3·7	10·3	11·6	1·7
	23	—	—	—	—	—	—	14·10	13·00	6·6	18.30	– 3 0	9·6	11·9	2·7
	24	2·34	1·00	6·0	7·00	– 5·2	11·2	14·59	13·30	6·5	19·00	– 2·3	8·8	11·7	3·7
	25	3·24	1·30	5·4	7·30	– 5·0	10·4	15·50	14·00	6·0	19·45	– 1·7	7·7	11·0	4·7
	26	4·17	2·00	4·8	8·00	– 4·2	9·0	16.44	15·00	5·4	21·00	– 0·8	6·2	9·6	5·7
	27	5·11	3·00	4·3	9·00	– 3·3	7·6	17·39	16.00	4·8	22·30	– 0·2	5·0	8·1	6·7 ☽
	28	6·06	4 00	3·6	10·15	– 2·8	6·4	18·35	17·00	4·4	24·00	– 0·2	4·6	7·2	7·7
	29	7·03	5·30	3·2	12·15	– 2·7	5·9	19·31	18·45	4·6	24·30	– 1·0	5·6	7·3	8·7
	30	7·59	7·00	3·3	13·15	– 3·3	6·6	20·27	20·00	5·2	25·30	– 2·3	7·5	8·5	9·7
	31	—	—	—	—	—	—	—	—	—	—	—	—	—	10·7
OCTOBER, 1846.	1	8·55	8·30	4·7	14·20	– 4·1	8·8	21·22	21·00	6·2	27·15	– 3·9	10·1	10·3	10·7
	2	9·50	9·30	6·1	15·15	– 4·7	10·8	22·17	21·45	7·1	28·00	– 5·6	12·7	11·8	11·7
	3	10·45	10·15	7·4	16·15	– 5·0	12·4	23·12	22·15	7·9	28·45	– 6 8	14·7	13·5	12·7 P
	4	11·40	11·00	8·2	17·00	– 5·3	13·5	24·07	23·00	7·8	29·30	– 7·4	15·2	15·0	13·7 ○
	5	12·34	11·45	8 6	17·45	– 5·2	13·8	25·01	24·00	7·8	30·00	– 7·4	15·2	16·0	14·7
	6	13·28	12·30	8·4	18·30	– 4·8	13·2	25·55	24·30	7·2	30·45	– 7·2	14·4	15·8	15·7
	7	14·23	13·15	8·1	19·00	– 3·8	11·9	—	—	—	—	—	—	15·3	16·7
	8	15·17	14·00	7·2	20.00	– 2·8	10·0	2·50	1·05	6·6	7·20	– 6·2	12·8	13·4	17·7
	9	16·09	14·45	6·6	20.45	– 1·0	7·6	3·43	1·40	5·5	8·00	– 4·6	10·1	11·2	18·7
	10	17·00	15·45	6·2	22·15	– 0·2	6·0	4·35	2 30	4·8	8·50	– 2·5	7·3	8.7	19·7 ☾
	11	17·49	16·30	5·2	23·20	– 0·2	5·0	5·25	3 30	4·0	9·30	– 1·3	5·3	6·5	20·7
	12	18·36	17·40	4.3	24·00	– 0·2	4·1	6·13	4·00	3.2	10·30	– 0.9	4·1	5·2	21·7
	13	19·21	—	—	—	—	—	6·59	—	—	—	—	—	—	22·7
	14	20·05	—	—	26·30	– 4·2	4·2	7·43	—	—	—	—	—	—	23·7
	15	20.48	21·00	3·0	27·00	– 4·6	7.6	8·26	9·00	0·8	14·30	– 4·4	5·2	7·4	24·7 A
	16	21·31	21·30	3·7	27.30	– 4·8	8 5	9·09	9·30	2·2	15·00	– 4·3	6·5	8·3	25·7
	17	22·14	22·00	4 3	28·00	– 4·8	9·1	9·52	10.00	3·9	15·30	– 3·5	7·4	9·1	26·7
	18	22·53	22·30	5.2	28·30	– 5.3	10·5	10·36	10·15	5·6	16·00	– 3·2	8·8	10·4	27·7
	19	23·43	23·00	5.6	29·00	– 5·9	11·5	11·20	10·45	6·1	16·45	– 3·4	9·5	11·4	28·7
	20	24·31	23·30	5·8	29·30	– 6·3	12.1	12·07	11·30	6·6	17·30	– 3·3	9·9	12·5	0·0 ●
	21	25·23	24·00	5·6	30·00	– 6·9	12·5	12·57	12·15	6·8	18·00	– 3.4	10·2	13·1	1·0
	22	—	—	—	—	—	—	13·48	12·30	6·8	18·45	– 3·3	10·1	13·7	2·0
	23	2·13	0·30	5·3	6·20	– 6·4	11·7	14·40	13·15	6·7	19·10	– 3·1	9·8	13·1	3·0
	24	3·07	1·15	4·8	7.00	– 6·0	10·8	15·35	13·45	6·2	20·00	– 2·7	8·9	12·2	4·0
	25	4·02	1·45	4·2	8·00	– 5·3	9 5	16·30	14·30	5·5	21·00	– 2·3	7 8	10·8	5·0
	26	4·57	2·45	3·2	8.30	– 4·4	7·6	17·25	15·30	4·7	22·00	– 2·2	6·9	9·1	6·0
	27	5·52	3·45	2·2	9·45	– 3·7	5·9	18·20	16·45	4·2	23·30	– 2·3	6·5	7·9	7·0
	28	6·47	5·15	2·0	11·30	– 3·5	5·5	19·30	17·45	4·0	24·45	– 3·3	7·3	7·5	8·0
	29	7·40	7·00	2·8	12·45	– 3·4	6·2	20·06	19·00	4·6	26·00	– 4·5	9·1	8·0	9·0
	30	8·33	8·20	4·4	13·45	– 3·4	7·8	20·59	20·00	5·3	27·00	– 5·6	10·9	9·8	10·0
	31	9·26	9·00	5·9	15·00	– 4·0	9·9	21·52	21·00	5·9	27·30	– 6·7	12·6	11·5	11·0 P

Mean Solar Time and Height of High and Low Water, corresponding with the ☽'s Upper and Lower Transit.

Date.		☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
		Time of ☽'s Transit.	High Water. Time.	High Water. Height in Feet.	Low Water. Time,	Low Water. Height in Feet.	Range of Tide in Feet.	Time of ☽'s Transit.	High Water. Time.	High Water. Height in Feet.	Low Water. Time.	Low Water. Height in Feet.	Range of Tide in Feet.		
		H. M.	H. M.		H. M.			H. M.	H. M.		H. M.				
NOVEMBER, 1846.	1	10·19	10·00	6·9	16·00	– 4·3	11·2	22·46	22 00	6·2	28·00	– 7·3	13·5	13·6	12·0
	2	11·13	10·45	7·9	16·45	– 4·3	12·2	23·40	22·30	6·4	29·00	– 7·8	14·2	15·0	13·0
	3	12·07	11·45	8·2	17·30	– 4·3	12·5	24·35	23·20	6·3	29·45	– 7·9	14·2	16·0	14·0 ○
	4	13·02	12·30	7·9	18·30	– 4·3	12·2	25·29	24·15	5·7	30·15	– 7·6	13·3	15·8	15·0
	5	13·56	13·00	7·4	19·15	– 4·0	11·4	—	—	—	—	—	—	15·0	16·0
	6	14·49	13·40	6 8	19·40	– 3·2	10·0	2·23	0·50	5·2	6·50	– 6·8	12·0	13·6	17·0
	7	15·40	14·15	5.8	20·30	– 2·5	8·3	3·15	1·30	4·6	7·15	– 5 3	9·9	11·1	18·0
	8	16·29	15·00	4·8	21·30	– 2·0	6 8	4.05	2·10	3·8	7·45	– 4·0	7·8	8·8	19·0
	9	17·15	16·00	4·3	22·30	– 1·7	6·0	4·52	3·00	2.7	8·30	– 3·1	5·8	7·4	20·0
	10	18·00	16·45	3·7	23·30	– 1·6	5·3	5·38	4·10	1·9	9·45	– 1·9	3·8	5·6	21·0 ☾
	11	18·43	17·45	3·3	24·00	– 1·7	5.0	6·21	5·15	1·3	11·15	– 1·3	2·6	5·0	22·0
	12	19·26	18·45	3·1	25·15	– 2·2	5·3	7·04	6·30	1·0	12·30	– 1·7	2·7	4·8	23·0 A
	13	20·08	20·00	3·3	26·30	– 3·2	6·5	7·47	8·00	2 0	13·15	– 1·7	3·7	5·5	24·0
	14	20·52	20·45	3·9	26·00	– 4·2	8·1	8·30	9·00	3·6	14·45	– 1·6	5·2	7·1	25·0
	15	21·37	21·30	4·2	27·30	– 5·1	9·3	9·14	9·45	4·7	15·30	– 2·0	6·7	8·9	26·0
	16	22·24	22·15	4·5	28·00	– 5·8	10·3	10·00	10·25	5·6	16·00	– 2·3	7·9	10·7	27·0
	17	23·13	22·45	5·0	28·45	– 6·7	11·7	10·49	10·50	6 2	17·00	– 2·8	9·0	12·0	28·0
	18	24·06	23·30	5·2	29·30	– 7·8	13·0	11·40	11·20	6·9	17·30	– 3·2	10·1	13·6	29·0 ●
	19	25·00	23·50	4·7	30·00	– 7·9	12·6	12·35	11·50	6·5	18·15	– 4·1	10·6	14·3	0.3
	20	25·56	24·20	4·7	30·30	– 7·8	12·5	13·28	12·20	6·7	18·45	– 4·0	10·7	14·6	1·3
	21	—	—	—	—	—	—	14·25	13·00	6·7	19·40	– 4·2	10·9	14·5	2·3
	22	2·53	1·05	4·2	7·00	– 7·3	11·5	15·21	13·50	6·3	20·15	– 4·2	10·5	13·6	3·3
	23	3·49	2·00	3·7	7·50	– 6·7	10·4	16·16	14·30	5·7	21·00	– 4·0	9·7	12·4	4·3
	24	4·43	2·45	2·8	8·30	– 5.4	8·2	17·10	15·25	4·9	22·00	– 3·9	8·8	10·3	5·3
	25	5·36	3·45	2·2	9·45	– 4·3	6·5	18·02	16·15	4·2	23·00	– 4·3	8·5	8 5	6 3 ☽
	26	6·28	5·15	1·9	11·15	– 3 8	5·7	18·54	17·30	3·8	24·30	– 5·0	8·8	8·8	7·3 P
	27	7·18	7·00	2·2	12·30	– 3·2	5.4	19·45	18·40	3·7	25·30	– 5·7	9·4	8·7	8·3
	28	8·11	8·15	3·7	13·30	– 3·0	6·7	20·37	19·50	3·8	26·30	– 6·6	10·4	9·5	9·3
	29	9·03	9·00	4·9	14·30	– 3·3	8·2	21·29	20·30	3·7	27·30	– 7·7	11·4	11·5	10·3
	30	9·56	10·00	5·4	16·00	– 3·9	9·3	22·22	22·00	3·9	28·00	– 8·1	12·0	13·1	11·3
DECEMBER, 1846.	1	10·49	10·50	6.1	16·15	– 4·1	10·2	23·16	22·45	4·4	28·45	– 8·1	12·5	14·2	12·3
	2	11·43	11·30	6·8	17·45	– 4·2	11·0	24·10	23·30	4·5	29·15	– 7·7	12·2	14·9	13·3 ○
	3	12·37	12 05	7·2	18·15	– 3·9	11·1	25·03	23·50	4·9	30·00	– 7·0	11·9	14·9	14·3
	4	13·29	12·45	7·0	19·00	– 3·9	10·9	25·54	24·30	4·3	30·30	– 6·8	11·1	14·0	15·3
	5	14·20	13·15	6·3	19·45	– 4·1	10·4	—	—	—	—	—	—	13·1	16·3
	6	15·08	14·00	5·8	20·15	– 3·6	9·4	2·43	1·00	3·9	7·00	– 6·0	9·9	11·8	17·3
	7	15·34	14·30	5·3	21·00	– 3·3	8·6	3·31	1·45	3·3	7·30	– 5·0	8·3	10·3	18·3
	8	16·38	15·00	4·9	21·30	– 2·6	7·5	4·16	2·30	2·6	8·00	– 3·8	6·4	7·9	19·3
	9	17·20	15·40	4·3	22·15	– 2·5	6·8	4·59	3·00	2·0	8·30	– 2·8	4·8	7·1	20·3
	10	18·03	16·30	3·7	23·00	– 2·8	6·5	5·41	3·55	1·4	9·15	– 1·8	3·2	6·5	21·3 ☾ A
	11	18·45	17·15	3·3	24·00	– 3·0	6·3	6·24	5·30	1·1	11·15	– 1·3	2·4	6·3	22·3
	12	19.29	18·15	3·0	25·15	– 4·1	7·1	7·07	7·00	1·6	12·30	– 0·8	2·4	6·0	23·3
	13	20·14	19·00	2.8	26·00	– 4·5	7.3	7·51	8·15	2·7	13·15	– 1·0	3·7	6·9	24·3
	14	21·02	20·15	3·2	27·05	– 5.2	8·4	8·38	8·45	3·9	14·30	– 1·2	5·1	8·4	25·3
	15	21.53	21·30	3·9	27·40	– 6·0	9·9	9·28	10·00	4·8	16·00	– 1·5	6.3	10·0	26·3
	16	22·47	22·00	4·4	28·15	– 6·9	11·3	10·20	10·30	6·0	16·45	– 2·2	8·2	12·0	27·3
	17	23·44	23·00	4·8	29·00	– 7·5	12·3	11·16	11·00	6·4	17·30	– 2·9	9·3	13·3	28·3
	18	24·42	23·30	5·3	29·45	– 7·8	13·1	12·13	11·30	7·3	18·00	– 3·3	10·6	14·8	29·3 ●
	19	25·40	24·20	5·4	30·30	– 7·8	13·2	13·11	12·15	7·7	18·45	– 4·0	11·7	15·5	0·8
	20	—	—	—	—	—	—	14·08	13·00	7·7	19·25	– 4·7	12·4	15·5	1·8
	21	2·27	1·05	5·2	7·00	– 7·7	12·9	15·04	13·45	7·3	20·00	- 4·9	12·2	15·0	2·8 P
	22	3·31	2·00	4·8	7·40	– 6·5	11·3	15·58	14·15	7·0	21.00	– 5·0	12·0	13·5	3·8
	23	4·25	2·45	4·5	8·40	– 5·3	9·8	16·51	15·00	6·4	22·00	– 4·9	11·3	11·7	4·8
	24	5.17	3·45	3·8	9·45	– 3·9	7·7	17·43	15·45	5·7	23·00	– 4·9	10.6	10·6	5·8 ☽
	25	6·09	5·00	3·2	10·45	– 2·8	6·0	18·34	16·45	4·8	24·00	– 5·2	10.0	10·0	6·8
	26	7·00	6·35	3·1	12·00	– 2·2	5·3	19·25	17·45	4·2	25·00	– 5·2	9·4	9·4	7·8
	27	7·51	8·00	4·0	13·30	– 1·7	5·7	20·17	19·00	3·6	26·00	– 6·9	10·5	9·2	8·8
	28	8·43	9·00	3·9	14·30	– 3·2	7·1	21·09	20·00	2·1	27·00	– 7·7	9·8	10·8	9·8
	29	9·36	9·35	4·3	15·30	– 3·8	8·1	22·02	21·20	2·3	27·45	– 8·1	10·4	12·0	10·8
	30	10·28	10·30	4·7	16·30	– 4·4	9·1	22·54	22·05	2·7	28·30	– 8·4	11·1	12·8	11·8
	31	11·20	11.00	5·0	17·30	– 4·8	9·8	23·46	23·05	3·1	29·20	– 7·0	10·1	13·4	12·8

APPENDIX.

ADEN, 1846.

METEOROLOGICAL OBSERVATIONS.

Date.		Barometer.			Attached Thermometer of Barometer.			Dry bulb Thermometer.			Wet bulb Thermometer.			Difference of D. & W. Thermometer.		
		3h 00m	3h 30m	4h 00m	3h 00m	3h 30m	4h 00m	3h 00m	3h 30m	4h 00m	3h 00m	3h 30m	4h 00m	3h 00m	3h 30m	4h 00m
APRIL, 1846.	1	30·050	30·034	30·000	84°·5	84°·5	84°·2	85°·0	85°·0	84°·5	78°·5	78°·2	77°·0	6°·5	6°·8	7°·5
	2	30·000	29·978	29·988	84·0	84·0	83·6	84·2	84·0	83·5	78·0	78·0	78·0	6·2	6·0	5·0
	3	29·956	29·940	29·950	85·0	84·0	84·0	85·2	84·2	84·0	78·0	77·0	77·0	7·2	7·2	7·0
	4	29·932	29·982	30·000	86·0	85·0	85·0	86·0	85·0	85·0	79·0	79·0	78·0	7·0	6·0	7·0
	5	30·026	30·012	30·000	85·2	85·0	84·5	85·2	85·0	84·7	78·2	78·0	78·0	7·0	7·0	6·6
	6	29·984	29·960	29·966	85·0	84·7	84·0	85·0	84·8	84·0	77·0	77·0	77·0	8·0	7·8	7·0
	7	29·900	29·950	29·930	85·5	85·5	85·0	85·5	85·5	85·0	78·0	77·5	77·2	7·5	8·0	7·8
	8	29·970	29·956	29·962	86.0	87·0	87·5	86·0	87·0	87·5	79·5	79·0	78·5	6·5	8·0	9·0
	9	29·980	29·960	29·948	88·0	88.0	88·0	88·0	88·0	88·0	80·0	80·0	80·0	8·0	8·0	8·0
	10	29·956	29·950	29·928	89·0	88·5	88·0	89·0	88·5	88·0	79·0	79·0	79·0	10·0	9·5	9·0
	11	29·906	29·900	29·904	87·7	87·0	87·0	87·7	87·0	87·0	79·7	80·0	80·0	8.0	7·0	7·0
	12	29·962	29·950	29·963	87·0	87·0	86·5	87·0	87·0	86·5	79·0	79·0	79·0	8·0	8·0	7·5
	13	29·984	29·972	29·976	87·2	87·0	87·0	87·2	87·0	87·0	80·5	80·5	80·0	6·7	6·5	7·0
	14	29·950	29·940	29·960	87·0	87·0	86·5	87·0	87·0	86·5	79·0	79·0	79·5	8·0	8·0	7·0
	15	29·920	29.960	29·962	87·2	86·7	86·5	87·2	86·7	86·5	80·5	79·5	79·5	6·7	7·2	7·0
	16	29·996	29·986	29·990	86·0	86·0	86·0	86·0	86·0	86·0	79·0	79·0	79·5	7·0	7·0	6·5
	17	29·960	29·928	29·974	87·0	87·0	85·7	87·0	87·0	85·7	79·0	79·0	78·5	8·0	8·0	7·2
	18	29·948	29·956	29·974	86·0	86·5	86·0	87·0	86·5	86·0	80·0	80·0	80·0	7·0	6·5	6·0
	19	30·040	30·030	30.040	88·0	87.2	87·0	88·0	87·0	87·0	79·2	79·0	79·0	8·8	8·0	8·0
	20	30·080	30·056	30·050	88·0	87·5	87·0	88·0	87·5	87·0	79·0	80·0	80·0	9·0	7.5	7·0
	21	30·007	29·994	29·972	87·5	87.5	87·0	87·5	87·5	87·0	79·7	79·7	80·0	7·8	7·8	7·0
	22	30·000	29·990	29·970	87·5	86·5	85·5	86·5	86·5	85·5	79·0	79·0	78·0	7·5	7·5	7·5
	23	30·000	29·976	29·985	87·0	86·7	86·2	87·0	86·7	86·2	78·0	78·5	78·0	9·0	8·2	8·0
	24	29·995	30·000	30·016	87·0	86·7	86·0	87·0	86·7	86·0	78·7	79·0	78·6	8·3	7·7	7·4
	25	30·050	30·037	30·028	86.5	86.0	86·0	86·5	86·0	86·0	79·5	79·0	78·0	7·0	7·0	8·0
	26	30·000	29·992	30·010	87·0	86·5	86·5	87·0	86·5	86·5	80·0	80·0	80·0	7·0	6·5	6·5
	27	30·000	29·992	29·987	86·7	86·5	86·0	86·7	86·5	86·0	78·5	78·0	78·0	8·2	8·5	8·0
	28	29·985	29·971	29·950	87·0	87·0	86·5	87·0	87·0	86·5	79·0	79·0	79·0	8.0	8·0	7·5
	29	29·976	29·963	29·960	87·0	86·5	86·5	87·0	86·5	86·5	78·5	78·0	78·0	8·5	8·5	8·5
	30	29.944	29·938	29·934	87·0	87·0	86·3	87·0	87·0	86·3	79·0	79·0	78·7	8·0	8·0	7·7
	31															

Date.		Barometer.			Attached Thermometer of Barometer.			Dry bulb Thermometer.			Wet bulb Thermometer.			Difference of D. & W. Thermometer.		
		3h 00m	3h 30m	4h 00m	3h 00m	3h 30m	4h 00m	3h 00m	3h 30m	4h 00m	3h 00m	3h 30m	4h 00m	3h 00m	3h 30m	4h 00m
MAY, 1846.	1	29·936	29·940	29·958	86°·5	86°·0	85°·2	86°·5	86°·0	85°·5	79°·0	79°·0	79°·0	7°·5	7°·0	6°·5
	2	30·024	30·006	30·010	80·0	81·0	82·0	80·0	81·0	82·0	75·0	75·0	75·5	5·0	6·0	6·5
	3	30·014	30·000	30·006	87·0	86·5	86·0	87·0	86·5	86·0	78·0	78·0	78·0	9·0	8·5	8·0
	4	30·032	30·010	30·014	87·5	87·0	87·0	87·5	87·0	87·0	79·0	80·0	80·0	7·6	6·0	6.0
	5	29·991	29·992	29.996	87·6	87·0	87·0	87·6	87·0	87·0	80·0	80·0	80·0	7·6	6·0	6·0
	6	29·996	29·996	30·000	91·0	90·0	89·0	91·0	90·0	89·0	80·0	80·0	80·0	11·0	10·0	9·0
	7	30·032	30·032	30·024	89·0	89·7	89·5	89·0	89·5	89·3	79·3	76·0	76·0	9·7	13·5	13·3
	8	30·032	30·032	30·020	89·0	89.0	89·0	89·0	89·0	89·0	80·0	80·0	80·0	9·0	9·0	9·0
	9	29·970	29·950	29·943	89·5	89·0	89·0	89·5	89·0	89·0	81·5	80·5	80·0	8·0	8·5	8·5
	10	29·894	29·925	29·926	89·5	89·5	89·0	89·8	89·5	89·0	81·0	81·0	81·0	8·5	8·5	8·0
	11	29·936	29·924	29·929	89·5	89·0	89·0	89·5	89·0	89·0	82·0	82·0	82·0	7·5	7·0	7·0
	12	29·950	29·936	29·960	91·5	90·5	89·5	91·5	90·5	89·5	84·0	83·0	80·0	7·5	7.5	9·5
	13	29·918	29·920	29·940	92·5	92·0	92·0	92·5	92·0	92·0	83·0	83·0	83·0	9·5	9·0	9·0
	14	29·980	29·940	29·944	89·5	89·5	89·0	89·5	89·5	89·0	82·5	82·0	82·0	7·0	7·0	7·0
	15	29·948	29.930	29·940	89·5	89·0	89·0	89·5	89·0	89·0	82·0	82·0	82·0	7·5	7·0	7·0
	16	29·947	29·940	29·940	89·5	89·3	89·0	89·5	89·3	89·0	82·0	82·2	82·2	7·5	7·5	6·8
	17	29·916	29·904	29·915	90·0	90·0	89·0	90·0	90·0	89·0	82·0	82·0	82·0	8·0	8·0	7·0
	18	29·894	29·882	29·900	91·0	91·0	90·0	91·0	91·0	90·0	82·0	82·0	81·0	9·0	9·0	9·0
	19	29·917	29·913	29·896	91·0	90·7	90·0	91·2	91·0	90·3	82·0	82·0	81·7	9·2	9·0	8·6
	20	29·932	29·900	29·894	90·7	90·7	90·5	91·0	91·0	90·3	82·0	82·0	82·0	9·0	9·0	8·3
	21	29·933	29·900	29·882	91·0	91·0	90·7	91·0	91·0	90·6	82·0	82·0	82·0	9·0	9·0	8·6
	22	29·930	29·808	29·900	90·5	90·2	90·0	91·0	90·7	90·0	82·5	82·0	82·0	8·5	8·4	8·0
	23	29·940	29·944	29·936	90·0	90·0	89·5	90·3	90·3	89·7	82·0	82·0	81·2	8·3	8·3	8·0
	24	29·915	29·900	29·900	93·7	91·7	91·0	94·3	92·7	91·7	84·0	83·0	82·7	9·7	9·7	9·0
	25	29·862	29·862	29·858	98·0	97·5	95·0	98·0	97·5	95·5	80·5	81·5	81·7	17·5	17·0	13·8
	26	29·830	29·810	29·816	97·0	97·0	96·0	98·0	98·0	97·0	82·0	81·6	81·6	16·0	16·0	15·0
	27	29·877	29·870	29·864	97·0	97·0	96·5	97·0	97·0	96·2	83·0	83·0	82·0	14·0	14·0	14·2
	28	29·785	29·783	29·804	98·0	98·5	98·7	98·0	98·2	98·5	85·0	84·0	82·5	13·0	14·2	16·0
	29	29·824	29·810	29·839	98·0	97·0	98·0	98·0	97·5	97·2	87·0	83·5	82·7	11.0	14·0	14·5
	30	29·850	29·840	29.800	95·0	95·0	95·0	95·0	95·0	95·0	85·0	85·0	85·0	10·0	10·0	10·0
	31	29.820	29·816	29·812	99·0	99·0	99·0	99·0	99·0	99·0	85·0	85·0	85·0	14·0	14·0	14·0

Date.		Barometer.			Attached Thermometer of Barometer.			Dry bulb Thermometer.			Wet bulb Thermometer.			Difference of D. & W. Thermometer.		
		$3^{h}\ 00^{m}$	$3^{h}\ 30^{m}$	$4^{h}\ 00^{m}$	$3^{h}\ 00^{m}$	$3^{h}\ 30^{m}$	$4^{h}\ 00^{m}$	$3^{h}\ 00^{m}$	$3^{h}\ 30^{m}$	$4^{h}\ 00^{m}$	$3^{h}\ 00^{m}$	$3^{h}\ 30^{m}$	$4^{h}\ 00^{m}$	$3^{h}\ 00^{m}$	$3^{h}\ 30^{m}$	$4^{h}\ 00^{m}$
JUNE, 1846.	1	29·802	29·789	29·796	97°0	97°0	97·8	97°0	97°0	98°0	83°0	83°0	83°0	14°0	14°0	15°0
	2	29·876	29·810	29·820	98·0	98.0	98·0	98 0	98·0	98·0	84·0	84·0	84·0	14·5	14·0	14·0
	3	29·737	29·732	29·740	97·0	97 0	98·0	97·0	97·0	98·0	86·0	86·0	86·0	11·0	11·0	12·0
	4	29·812	29.830	29·856	94·5	94·0	94·0	94·3	94·0	94·0	82·0	82·0	83·0	12·3	12·0	11·0
	5	29·832	29·826	29·836	96·5	96·0	95·3	96 5	96·0	95 3	82·5	82·0	82·0	14·0	14·0	13·2
	6	29.856	29·848	29·856	97·0	97·0	97·3	97·0	97 0	97·3	80·0	80·0	79·0	17·0	17·0	18·3
	7	29·816	29·810	29·814	97·0	97·0	97·0	97·0	97·0	97·0	79·0	79·2	80·0	18·0	17·8	17·0
	8	29·846	29·832	29·840	97 7	97·5	97·5	97·2	97·0	97·0	79·0	78·0	78.0	18·2	19·0	19·0
	9	29·830	29·820	29·836	94·0	94·0	94·3	94·0	94·0	94·2	79.0	79·0	78·6	15·0	15·0	15·6
	10	29·860	29·833	29·846	97·0	96·5	96·0	97·0	96·5	96·5	77·0	77·0	77·0	20·0	19·5	19·0
	11	29·840	29·839	29·864	94 5	94·0	94·0	94·5	94·2	94·2	83·0	83·0	83·0	11·5	11·2	11·2
	12	29·818	29·808	29·816	95·6	94·0	92·6	95·6	94·0	93·0	81·0	81·5	82·0	14·6	12·5	11·0
	13	29·809	29·778	29·786	97·6	97·0	96·5	96·6	96·2	95·6	79·2	79·0	77·0	17·4	17·2	18·0
	14	29·732	29·725	29·740	97·0	97 0	97·0	97·0	97·0	97·0	79·0	79·2	79·7	18·0	17·8	17·3
	15	29·792	29·782	29·788	92·5	92·5	91·0	93·0	93·0	91·5	85·0	84·5	85·0	8·0	8·5	6·5
	16	29·900	29·886	29·888	93·5	93·5	93·5	93·5	93·5	93·0	81·5	81·0	81·0	12·0	12·5	12·0
	17	29·869	29·860	29·860	94·5	94·0	94·0	94·5	94·0	94·0	77·0	77·0	76·6	17·5	17·0	18·0
	18	29·808	29·788	29·784	95·0	94·0	94·0	95·2	94·2	94·0	83·0	82·0	82·7	12·2	12·2	11·5
	19	29·740	29·732	29·742	97·0	97·0	96·5	97·0	97·0	96·5	86·0	86·0	86·0	11·0	11·0	10·5
	20	29·765	29 724	29·724	97·0	97·0	96·5	97·0	97·0	96·5	82·0	82·0	81·0	15·0	15·0	15·5
	21	29·809	29·800	29·800	96·0	96·0	96·0	96·0	96·0	96·0	82·0	81·3	81·0	14·0	14·7	15·0
	22	29·900	29·900	29·872	96·0	96·0	96·0	96·0	96·0	96·0	80·0	80·0	79·0	10·0	16·0	17·0
	23	29·786	29·768	29·794	96·0	97·0	97·3	96 0	97·0	97·5	81·0	79·0	78·0	15·0	18·0	19·5
	24	29·750	29·740	29·746	98·0	98·0	97·3	98·0	98·0	97·3	82·0	82.0	82 0	16·0	16·0	15·3
	25	29·760	29·750	29·746	99·0	98·7	99·0	99 0	98·7	99.0	86·0	85·0	84·0	13·0	15·0	15·0
	26	29·736	29·728	29·730	95·0	95·0	94·5	95·0	95·0	94·5	82·0	82·0	81·5	13·0	15·0	13·0
	27	29·774	29·763	29·750	96·0	96.0	96·0	96·0	96·7	96·0	80·0	80·0	80·0	16·0	16·0	16·0
	28	29·694	29·682	29 689	95·0	94·0	95·0	95·0	94·6	93·0	82·0	82·0	82·0	13·0	12·0	11·0
	29	29·666	29·677	29·677	99·0	99·0	99·0	99·0	98·7	98·5	80·0	77·0	77·0	19·0	21·7	21·5
	30	29·664	29·642	29·640	99·2	100·0	97·2	99·2	100·0	97 7	81·0	81·0	83·0	18·2	19·0	14·7
	31															

Date.		Barometer.			Attached Thermometer of Barometer.			Dry bulb Thermometer.			Wet bulb Thermometer.			Difference of D. & W. Thermometer.		
		$3^{h}\ 00^{m}$	$3^{h}\ 30^{m}$	$4^{h}\ 00^{m}$	$3^{h}\ 00^{m}$	$3^{h}\ 30^{m}$	$4^{h}\ 00^{m}$	$3^{h}\ 00^{m}$	$3^{h}\ 30^{m}$	$4^{h}\ 00^{m}$	$3^{h}\ 00^{m}$	$3^{h}\ 30^{m}$	$4^{h}\ 00^{m}$	$3^{h}\ 00^{m}$	$3^{h}\ 30^{m}$	$4^{h}\ 00^{m}$
JULY, 1846.	1	29·720	9·700	29·710	98°7	98°5	99°0	98°0	98°0	100°0	80°0	80°0	80°0	18°0	18°0	20°0
	2	29·598	29·608	29·620	100·0	101·0	102·4	100·0	101·0	102·3	82·0	80·0	80·0	18 0	21·0	22·0
	3	29·[illegible]72	29·669	29·654	98·0	98·0	97·7	98 0	97·7	97·5	81·0	80·0	79·0	17·0	17·7	18·5
	4	29·728	29·718	29·725	94·0	94 0	93·0	94·0	94·0	93·0	79·0	70·0	79·0	15·0	15·0	14·0
	5	29·850	29·826	29·830	93·0	93·0	91·0	93·0	93 0	91·0	78·0	78·0	79·0	15·0	15·0	12·0
	6	29·826	29·785	29·795	95.0	95·0	95·0	95.0	95·0	95·0	78·0	78·0	78 0	17·0	17·0	17·0
	7	29·740	29·733	29·690	98·0	97·5	98·0	98·0	97·5	98·0	80·0	80·0	80·5	18·0	17·5	17·5
	8	29·657	29·664	29·664	94·2	95·4	95·0	94·2	95·4	95·0	80·5	81.0	81·0	13·7	14·4	14·0
	9	29·698	29·690	29·690	95·6	95·0	94·0	95·5	95·0	94·5	80·0	80·0	80·0	15·5	15·5	14·5
	10	29·695	29·690	29·710	97·6	97·0	96·5	97·6	97·0	96.5	79·0	79·0	79·0	18·6	18·0	17·5
	11	29·778	29·770	29·756	98·0	98·2	97·5	98·0	98·2	97·3	81·5	83·0	83·0	16·5	15·2	14·3
	12	29·736	29·725	29·732	96·0	96·0	96·0	96·0	96·0	96·0	79·0	79·0	76·5	17·0	17·0	19·5
	13	29·754	29·718	29·726	93·5	94·9	93·0	93·5	94.0	93·0	80·0	79·0	77·0	13·5	15·0	16·0
	14	29·688	29·682	29·670	96·3	96·0	95·3	96·3	96 0	95·3	81·0	81·0	80·0	15·3	15·0	15·3
	15	29·700	29·720	29·724	94·5	94·5	94·0	94·5	94·5	94·0	82·0	82·0	81·0	12·5	12·5	13·0
	16	29·670	29·750	29·668	94·0	94·0	94·0	94·0	94·0	94·0	82·0	82·0	82·0	12·0	12·0	12·0
	17	29·650	29·634	29·624	95·3	95·3	94·7	95·3	95·3	94·7	85·5	83·5	83·5	11·8	11·8	11·2
	18	29·650	29·642	29·642	93·0	93·0	93·0	93·0	93·0	93·0	81·0	81·0	81·0	12·0	12·0	12·0
	19	29·775	29·745	29·770	92·0	92·0	91·3	92·3	92·3	91·7	81·0	81·5	82·0	11·3	10·8	9·7
	20	29·798	29·792	29·800	95·0	95·0	94·5	95·0	95·0	94·5	80·0	80·0	80·0	15·0	15·0	14·5
	21	29·742	29·730	29·720	94·0	94·5	93·0	94·0	94·5	93·0	81·0	80·5	80·0	13·0	14·0	13·0
	22	29·698	29·650	29·614	96·4	97·0	97·0	96·4	97·0	97·0	81·0	79·0	79.0	15·6	18·0	18·0
	23	29·626	29·626	29·640	99·0	99·0	93·0	98·7	98·3	93·0	82·0	83·0	80·0	16·7	15·3	13·0
	24	29·742	29·740	29·740	92·0	92·0	91·5	92·0	92·0	91·5	80·0	80·0	79·0	12·0	12·0	12·5
	25	29·770	29·760	29·766	96·0	93·0	93·0	93·0	93·0	93·0	79·0	79·0	79·0	14·0	14·0	14·0
	26	29·689	29·676	29·670	94·0	95·0	94·0	94·0	95·0	94·0	79·5	79·5	80·0	14·5	15·5	14·0
	27	29·725	29·700	29·686	97·0	96·7	96·0	97·0	96·7	96·0	83·0	83·0	83·0	14·0	13·7	13·0
	28	29·730	29·734	29·740	94·0	93·5	93·0	94·0	93·5	93·0	80·0	80·0	80·0	14·0	13·5	13·0
	29	29·786	29·784	29·780	93·0	95.0	93·0	93·0	93·0	93·0	79·0	79·0	79·0	14·0	14·0	14·0
	30	29·716	29·706	29·700	96·0	95·0	94·0	96·0	95·0	94·0	81·0	81·0	81·0	15·0	14·0	13·0
	31	29·628	29·642	29·650	95·0	94·5	95·0	95·0	94·5	95·0	79·0	77·0	77·0	16·0	17·5	18·0

Date.		Barometer.			Attached Thermomerer of Barometer.			Dry bulb Thermometer.			Wet bulb Thermometer.			D fference of D. & W. Thermometer.		
		3h 00m	3h 30m	4h 00m	3h 00m	3 h30	4h 00m	3h 00m	3h 30m	4h 00m	3h 00m	3h 30m	4h 00m	3h 00m	3h 30m	4h 00m
AUGUST, 1846.	I	29·662	29·660	29·666	96°·2	96°·2	97°·0	96°·2	96°·2	97°·0	81°·0	81°·0	77°·0	15·2	15°·2	20°·0
	2	29·682	29·680	29·688	95·2	95.0	95.0	95·2	95·0	95·0	79·0	78·0	78·0	16·2	17·0	17·0
	3	29·760	29·744	29.737	102·0	102·0	101·2	102·0	102·0	101·2	81·0	80·0	80·0	21·0	22·0	21·2
	4	29·750	29·750	29·763	101·0	101·0	101·0	101·0	101·0	101·0	81·0	80·0	80·0	20·0	21·0	21·0
	5	29·730	29·725	29·725	98·0	98·0	97·5	98·0	98·0	97·5	81·0	81·0	81·0	17·0	17·0	16·5
	6	29·580	29·565	29·570	96·0	96·0	95·0	96·0	96·0	95·0	79·0	79·0	79·0	17·0	17·0	16·0
	7	29·732	29·706	29·736	92·5	93·0	93·0	92·5	93·0	93·0	75·0	75·0	77·0	17·5	18·0	16·0
	8	29·686	29·680	29·690	93·0	93·0	92·5	93·0	93·0	92·5	78·0	78·0	78·0	15·0	15·0	14·0
	9	29·743	29·734	29·744	94·7	95·0	94·3	94·5	94·7	94·2	79·0	79·0	79·0	15·5	15·7	15·8
	10	29·753	29·744	29·748	92·0	91·5	91·5	92·0	91·5	91·5	79·0	78·0	78·0	13·0	13·5	13·5
	11	29·814	29·800	29·817	94·0	93·6	93·0	94·0	93·7	93·0	78·0	78·0	77·0	16·0	15·7	15·0
	12	29·810	29·785	29·784	96·0	96·0	97·0	96·0	96·0	97·0	77·0	77·0	73·0	19·0	19·0	24·0
	13	29·704	29·686	29·688	96·2	95·5	94·5	96·2	95·5	94·5	78·0	77·5	77·5	18·2	18·0	18·0
	14	29·764	29·788	29·788	87·0	88·5	90·0	87·0	88·0	90·0	77·0	77·0	76·5	10·0	11·0	13·5
	15	29·864	29·860	29·860	97·0	97·0	98·0	97·0	97·0	98·0	80·0	80·0	80·0	17.0	17·0	18·0
	16	29·810	29·790	29·784	96·0	96·0	96·0	96·0	96·0	96·0	77·0	77·0	76·0	19·0	19·0	20·0
	17	29·780	29·774	29·776	99·5	96·0	85·0	99·0	95·0	85·0	77·0	77·0	75·0	22·0	18·0	10·0
	18	29·757	29·784	29·747	95·0	94·2	94·7	95·0	94·2	94·7	78·5	79·0	77·5	16·5	15·2	17·2
	19	29·760	29·754	29·754	96·0	96·0	95·0	96·0	96·0	95·0	79·0	79·0	78·0	17·0	17·0	17·0
	20	29·752	29·740	29·732	95·0	94·2	93·5	95·0	94·2	93·5	80·0	80·2	81·0	15·0	14·0	12·5
	21	29·800	29·796	29·798	95·0	95·0	92·3	95·0	95·0	92·3	81·0	81.0	79·0	14·0	14·0	13·3
	22	29·840	29·836	29·843	91·0	91·2	92·0	91·0	91·2	92·0	77·0	77·0	77·0	14·0	14·2	15·0
	23	29·840	29·830	29·836	93·0	93·0	93·2	93·0	93·0	93·2	75·0	75·0	75·0	18·0	18·0	18·8
	24	29·808	29·870	29·864	95·0	95·0	94·5	94·5	94·5	94·2	78·0	78·0	78·0	16·5	16·5	16·2
	25	29·778	29·776	29·768	95·2	95·0	95·2	95·0	94·8	95·0	76·5	76·5	76·5	18·5	18·3	18·5
	26	29·760	29·740	29·726	95·7	95·0	94·5	95·7	95·0	94·5	82·0	82·0	81·0	13·7	13·0	13.5
	27	29·763	29·744	29·738	96·5	95·5	94·5	96·0	95·0	94·5	77·0	78·0	77·0	19·0	17·0	17·5
	28	29·754	29·750	29·752	95·0	96·0	96·0	95·0	96·0	96·0	76·0	76·0	77·0	19·0	20·0	19·0
	29	29·766	29·753	29·768	95·0	95·0	94·0	95·0	95·0	94.0	78·0	78·0	78·0	17·0	17·0	16·0
	30	29·750	29·752	29·750	96.0	96·0	95·5	96.0	96·0	95·5	82·0	82·0	80·0	14·0	14·0	15·5
	31	29·844	29·838	29·810	94·0	94·5	94·3	93·5	94·0	94·0	79·2	80·0	79·5	14·3	14·0	14·5

Date.		Barometer.			Attached Thermometer of Barometer.			Dry bulb Thermometer.			Wet bulb Thermometer.			D.fference of D. & W. Thermometer.		
		3h 00m	3h 30m	4h 00m	3h 00m	3h 30m	4h 00m	3h 00m	3h 30m	4h 00m	3h 00m	3h 30m	4h 00m	3h 00m	3h 30m	4h 00m
SEPTEMBER, 1846.	1	29·791	29·798	29·808	95°·0	94°·5	94°·5	95°·0	94°·5	94°·5	80°·0	79°·0	78°·0	15·0	15°·5	16°·5
	2	29·774	29·766	29·751	93·5	94·0	94·0	93·5	94·0	94·0	81·0	80·0	80·0	12·5	13·0	13·0
	3	29·764	29·760	29·762	94·0	94·0	93·5	94·0	94·0	93·5	80·0	79·5	79·0	14·0	14·5	14·5
	4	29·774	29.760	29·766	94·9	94·9	94·7	94·9	94·9	94·7	80·1	80·0	79·0	14·8	14·9	15·7
	5	29·842	29·832	29·824	97·2	96·2	96·0	97·0	96·0	96·0	81·0	81·0	80·0	16·0	15·0	16·0
	6	29·824	29·793	29·795	93·5	93·7	93·0	93·5	93·7	93·0	80·0	79·5	79·0	13·5	14·2	14·0
	7	29·712	29·700	29·694	96·0	95·2	95·0	96·0	95·2	95·0	77·0	77·0	77·0	19·0	18·2	18·0
	8	29·653	29·650	29·636	97·0	96·5	96·0	97·0	96·5	96·0	77·0	77.0	70·0	20·0	19·5	19·0
	9	29·755	29·750	29·702	98·0	98·0	98·5	97.5	97·5	98·0	79·0	79·0	79·0	18·5	18·5	19·0
	10	29·830	29·782	29·798	96·0	96·0	96·0	96·0	96·0	96·0	78·0	78·0	78·0	18·0	18·0	18·0
	11	29·798	29·784	29·796	92·0	91·0	90·0	92·0	91·0	90·5	79·0	79·0	79·0	13·0	12·0	11·5
	12	29·796	29·790	29·794	92·0	93·0	93·0	92·0	93·0	95·0	80·0	80·0	79·0	12·0	13·0	14·0
	13	29·828	29·812	29·818	96·5	96·0	96·0	96·5	96·0	96·0	78·0	78·0	78·5	18·5	18·0	17·5
	14	29·812	29·828	29·812	96·0	96·0	95·5	96·0	96·0	95·5	80·0	80·0	80·0	16·0	16·0	15·5
	15	29·795	29·788	29·784	96·0	95·5	95·2	95·5	95·0	94·8	80·0	80·0	79·0	15·5	15·0	15·8
	16	29·826	29·803	29·805	97·7	98·3	98·0	97·2	97·7	97·5	79·0	79·0	79·0	18·2	18·7	18·5
	17	29·728	29·730	29·730	99·0	99·0	98·5	98·5	98·5	98·0	78·0	78·0	78·0	20·5	20·8	20·0
	18	29.824	29·814	29·830	90·0	91·5	90·0	90·0	91·5	90·0	73.0	73·0	73·0	17·0	18·5	17·0
	19	29·818	29·840	29·828	97·0	96·2	95·6	97·0	96·2	95·4	80·0	80·0	78·5	17·0	16·2	16·9
	20	29·800	29·786	29·775	98·0	97·0	96·0	98·0	97·0	96·0	80·0	79·0	79·0	18·0	18·0	17·0
	21	29.768	29·764	29·784	98.2	96·2	95·0	98·2	96·0	95·0	82·0	82·7	83·0	16·2	13·7	12·0
	22	29·784	29·782	29·794	97·0	97·0	96·5	97·1	97·0	96·5	80·0	80·0	79.0	17·0	17·0	17·5
	23	29·833	29·819	29.824	94·0	93·6	94·7	94·0	93·8	94·5	80·0	80·0	77·0	14·0	13·8	17·5
	24	29·840	29·830	29·832	93·0	93·0	92·0	93·0	93·0	92·2	78·0	78·0	78·0	15·0	15·0	14·2
	25	29·840	29·830	29·834	93·0	93·0	92·6	93·0	93·0	92·6	79·0	79·0	79·0	14·0	14·0	13·6
	26	29·874	29·864	29·876	92·0	92·0	92·0	92·0	92·0	92·0	78·5	78·5	79·0	13·5	13·5	13·0
	27	29·882	29·874	29·892	92·1	92·0	92·0	92·0	92·0	92·0	81·0	81·0	81·0	11·0	11·0	11·0
	28	29·870	29·872	29·880	91·0	91·0	90·5	91·0	91·0	90·5	80·0	80·0	80·0	11·0	11·0	11·5
	29	29·832	29·820	29·836	90·0	90·0	90·0	90·5	90·5	90·5	80·0	80·0	80·0	10·5	11·5	10·5
	30	29·846	29·840	29·852	90.0	90·0	90·0	90·0	90·0	90·0	79·0	79·0	79·0	11·0	11·0	11·0
	31															

Date.		Barometer.			Attached Thermometer of Barometer.			Dry bulb Thermometer.			Wet bulb Thermometer.			Difference of D. & W. Thermometer.		
		3h 00m	3h 30m	4h 00m	3h 00m	3h 30m	4h 00m	3h 00m	3h 30m	4h 00m	3h 00m	3h 30m	4h 00m	3h 00m	3h 30m	4h 00m
OCTOBER, 1846.	1	29·942	29·940	29·953	89·0	88·6	88·2	89°0	88°6	88°2	79°0	79°0	79°0	10°0	9°6	9°2
	2	29·932	29·932	29·922	88·5	88·0	87·2	88·5	88·0	87·2	78·0	77·5	77·2	10·5	10·5	10 0
	3	29·939	29·945	29·945	87·5	87·0	86·7	87·5	87·0	86·7	78·0	77·2	77·0	9·5	9·8	9·7
	4	29·948	29·950	29·956	87·5	87·0	87·0	87·5	87·0	87·0	78·0	78·5	79·0	9·5	8·5	8·0
	5	30·000	30 020	30·034	87·0	86·0	85·5	87·0	86·0	85·0	78 0	77·5	77 0	9·0	8·5	8·0
	6	30·040	30·036	30·050	87·0	87·0	86·5	87·0	87·0	86·5	78·0	78.0	78·0	9·0	9·0	8·5
	7	29·984	29·980	29·986	88·0	88 0	87·4	88·0	88·0	87·4	75·0	75·0	74·5	13·0	13·0	12·9
	8	29·964	29·964	29·964	86·0	86·0	86·0	86·0	86·0	86·0	77·0	77·0	77·0	9·0	9·0	9·0
	9	30·008	30·030	30·048	86·8	86·8	86·2	86·5	86·5	86·0	78·0	77·0	77·0	8·5	9·5	9·0
	10	30·056	30·086	30·060	88·0	88·0	87·0	87·8	87·5	87·0	77·0	77·0	77.0	15·8	10·5	10·0
	11	30 036	30·036	30·064	87·0	86·5	86·5	87·0	86·3	86·3	77·0	76·0	76·0	10·0	10·3	10·3
	12	29·998	29·998	30·030	89·0	89·0	88 5	89·0	89·0	88·5	77·0	77·0	77·0	12·0	12.0	11·0
	13	30·036	30·034	30·058	89·5	89·2	88·5	89·5	89·2	88·5	79·0	79·0	79·0	10·5	10 2	9·5
	14	30·026	30 003	30·000	88·2	88·0	88·0	89.2	88·0	88·0	75·0	76·0	76·0	13·2	12·0	12·0
	15	29·936	29·936	29·936	89·5	89·5	89·5	89·5	89·5	89·5	77·0	77·0	77·0	12·5	12·5	12·5
	16	29·880	29·880	29·872	96·2	96·0	95·0	95·5	95·0	94·5	68·0	68·0	78·0	27·5	27·0	16·5
	17	29·972	29·862	29·872	88·0	87·0	85·5	88·0	87·0	85·5	78·0	78·0	78·0	10 0	9·0	7·5
	18	29·984	29·984	29·970	86·0	86·0	85·5	86 0	86·0	85·5	75·0	75·0	75.0	11·0	11·0	10·5
	19	30·034	30·038	30·028	86·0	85 5	85 0	85·5	85.0	84·0	75·0	75·2	75·0	10·0	10·0	9·0
	20	30·050	30·046	30.050	86·0	85·2	85·2	85·0	84·2	84·2	75·0	75·0	75·0	10·0	9·2	9·2
	21	29·988	29·988	30·990	87·0	86·2	86·0	87·0	86·2	86.0	76·0	76·0	76·0	11·0	10·2	10·0
	22	29·984	29 981	30·972	88·2	88·2	87·6	88·2	88·0	87·5	76·0	76·0	75.0	12·2	12·0	12·5
	23	29·934	29·942	30·952	92·0	92·0	92·0	92.0	92·0	92·0	70·0	71·0	71·5	22·0	21·0	20·5
	24	29·950	29·950	30·966	90·0	89·0	88·0	90·0	89·0	88·0	75·0	75·0	75·0	15·0	14·0	13 0
	25	29·966	29·974	30 976	87·5	87·0	87·0	87·5	87·0	87·0	78·0	78·0	78·0	9·5	9·0	9·0
	26	29·992	29·986	30·990	87·0	87·0	87·0	87·0	87·0	87·0	77·0	77·0	77·0	10·0	10 0	10·0
	27	29·994	29·988	30·990	86·5	86·5	86 0	86·0	86·0	86.0	77·0	77·0	77·0	9·0	9·0	9.0
	28	29·964	29·978	30 980	86·5	86·5	85·0	86·5	86·0	85·0	76·0	76·0	75·0	10·5	10·0	10·0
	29	29·960	29·968	30·978	86·0	86·0	85·5	86.0	86·0	85·5	77·0	77·0	77·0	9·0	9·0	8·5
	30	29·900	29·976	30·994	85·0	85·0	84·7	85·0	85·0	84·7	75·0	75 0	75·0	10·0	10·0	9·7
	31	30·004	30·010	30·010	86·0	85·4	85·0	86·0	85·4	85·0	75·0	78·0	75·0	11·0	10·4	10·0

Date.		Barometer.			Attached Thermometer of Barometer.			Dry bulb Thermometer.			Wet bulb Thermometer.			Difference of D. & W. Thermometer.		
		3h 00m	3h 30m	4h 00m	3h 00m	3h 30m	4h 00m	3h 00m	3h 30m	4h 00m	3h 00m	3h 30m	4h 00m	3h 00m	3h 30m	4h 00m
NOVEMBER, 1846.	1	30·064	30·048	30·056	85°5	85°0	84°5	85°8	85°2	84°5	75°0	75°0	74°0	18°8	10°2	10°5
	2	30·060	30·040	30·052	84·5	84·0	83·2	84·5	84·0	83·2	75·0	75·0	75·0	9·5	9·0	8·2
	3	30·060	30·055	30·080	84·5	84·5	84·0	84·5	84·5	84·0	73·0	73·0	74·0	11·5	11·5	10·0
	4	30·024	30·024	30·030	84·2	84·0	83·5	84·2	84·0	83·5	75·0	75·0	75·0	9·2	9·0	8·5
	5	30·024	30·014	30·032	88·0	87·0	86·0	88·0	87·0	86·0	75·0	75·0	75·0	13·0	12·0	11·0
	6	30 016	30·000	30·020	86·0	86·0	85·5	86·0	86·0	85·5	74·0	74·0	74·0	12·0	12·0	11·5
	7	30·020	30·028	30·030	87·5	87·0	87 0	87·5	87·0	87·0	77·0	77·0	76·0	10·5	10·0	11·0
	8	30·050	30·052	30·068	86·5	86·4	86·0	86·5	86·4	86·0	75·0	74·0	73·0	11·5	12·4	13·0
	9	30.025	30·040	30·064	85·0	85·0	84·5	85·0	85·0	84·5	75 0	75·0	74·0	10·0	10·0	10·5
	10	30·033	30·040	30·050	83 5	83·0	82·5	83 0	82·8	82·3	77·0	76·0	75·0	6·0	6·8	7·3
	11	30·028	30·032	30·038	84·5	83 0	82·2	84·5	83·0	82·2	77·0	77·0	77 0	7·5	6·0	5·2
	12	30·025	30·020	30·024	83·0	82·5	82·5	83·0	82·5	82·5	78·0	78·0	78·0	5·0	4·5	4·2
	13	30·064	30·054	30·080	83·5	83·0	82·5	83·5	83·0	82·5	75·0	76·0	75·0	8·5	7·0	7·5
	14	30·086	30·086	30·100	83 5	83·0	82·5	83·5	83·0	82·5	75·6	75·0	75.0	7·9	7·0	7·5
	15	30·078	30 064	30·078	83 0	83·0	82·5	83·0	83·0	82·5	75·0	75·0	75·0	8·0	8·0	7·5
	16	30·054	30·070	30·070	83·8	83·8	83·0	83·8	83·5	83·0	76·0	76·0	76·0	7·8	7·5	7·0
	17	30·009	30·025	30·030	84·0	84·3	83·5	84·0	84·3	83·5	75·0	75·0	75·0	9·0	9·3	8·5
	18	30·020	30·014	30.028	83·0	82·5	81·5	83·0	82·5	81·5	76·0	76·0	76·0	7·0	6·5	5·5
	19	30·040	30·078	30·078	83·0	83·0	82·0	83·0	83·0	82·0	75·5	75·5	75·0	7·5	7·5	7·5
	20	29·980	29·992,	29·996	84·0	83·4	82·5	84·0	83·4	82·5	78·0	77·0	76·5	6·0	6·4	6·6
	21	30·088	30·080	30·081	83·0	83·0	82·0	83·0	83·0	82·0	76·0	76·0	75·5	7·0	7·0	6·5
	22	30·018	30·008	30 028	82·0	82·0	81·5	83·0	82·0	81·5	76·0	76·0	76·0	6·0	6·0	5·5
	23	30·034	30·014	30·034	83·5	83·0	82·5	82·5	83·0	82·5	75·0	75·0	75·0	8·5	8·0	7·5
	24					Removing to Seerah.										
	25	29·992	29·990	29·998	80·2	80·0	80·0	80·5	80·2	80·2	75·2	75·0	75·5	5·3	5·2	4·7
	26	30·014	30·006	30·012	80·8	80·4	80·0	81·0	80·6	80·4	75·0	75·0	75·0	6·6	5·6	5·4
	27	30·008	30·002	30·016	81·0	81·0	80·5	81·0	81.0	80·5	75·0	75·0	75·0	6·0	6·0	5·5
	28	30·020	30·008	30·016	80·9	80·2	79·5	80·8	80·0	79·5	75·5	74·0	74·0	6·3	6·0	5·5
	29	30·048	30·038	30·024	79·5	79·2	79·2	79·8	79·2	79·2	73·0	73·0	73·0	6·8	6·2	6·2
	30	30·006	30·000	30.025	81·2	81·0	80·8	81·2	81·0	80·8	74·0	74·0	74·0	7·2	7·0	6·8
	31															

DAILY METEOROLOGICAL OBSERVATIONS TAKEN AT ADEN.

Date.		Barometer.			Attached Thermometer of Barometer.			Dry bulb Thermometer			Wet bulb. Thermometer.			Difference of D. & W. Thermometer.		
		$3^h\ 00^m$	$3^h\ 30^m$	$4^h\ 00^m$	$3^h\ 00^m$	$3^h\ 30^m$	$4^h\ 00^m$	$3^h\ 00^m$	$3^h\ 30^m$	$4^h\ 00^m$	$3^h\ 00^m$	$3^h\ 30^m$	$4^h\ 00^m$	$3^h\ 00^m$	$3^h\ 30^m$	$4^h\ 00^m$
DECEMBER, 1846.	1	29·988	29·988	29·970	81°·5	81°·5	80°·5	81°·5	81°·5	80°·5	74°·0	74°·0	72°·5	7°·5	7°·5	8°·0
	2	29·978	29·968	29·973	82·0	82·0	81·5	82·0	82·0	81·5	74·0	74·0	74·0	8·0	8·0	7·5
	3	29·976	30·100	30·114	78·2	78·0	78·0	78·2	78·0	78·0	73·0	73·0	73·0	5·2	5·0	5·0
	4	29·970	29·964	29·978	80·0	80·0	80·0	80·0	80·0	80·0	74·0	74·0	75·0	6·0	6·0	5·0
	5	29·950	29·928	29·938	78·5	78·3	78·0	78·5	78·3	78·0	74·0	74·0	74·0	4·5	4·3	4·0
	6	29·970	29·760	29·870	81·0	81·0	81·0	81·0	81·0	81·0	73·0	73·0	73·0	8·0	8·0	8·0
	7	29·972	30.048	30·056	78·5	78·5	78·0	78·5	78·5	78·0	69·5	69·0	69·0	9·0	9·5	9·0
	8	29·992	29·990	30·014	79·5	79·5	79·0	79·0	78·6	78·0	72·0	72·0	72·0	7·0	6·6	6·0
	9	29·980	30·030	30·054	79·0	78·2	78·0	78·2	77·8	77·5	70·5	70·5	70·0	7·7	7·3	7·5
	10	29·962	29·960	29·976	78·5	78·0	78·0	78·5	78·0	78·0	70·0	70·0	70·0	8·5	8·0	8·0
	11	29·970	29·965	29·978	78·3	78·0	77·7	78·3	78·0	77·7	71·5	71·0	71·0	6·8	7·0	7·0
	12	29·950	29·952	29·964	80·2	80·2	79·2	79·5	79·5	78·6	71·5	71·5	71·0	8.0	8·0	7·6
	13	29·937	29·954	29·933	80·6	80·4	80·0	80·0	80·0	79·4	72·0	72·0	72·0	8·0	8·0	7·4
	14	29·883	29·884	29·900	81·0	81·0	80·3	80·2	80·2	79·7	71·0	71·0	71·0	9·2	9·2	8·7
	15	29·910	29·886	29·890	81·0	80·5	80·0	80·5	80·0	79·5	71.5	71·5	71·0	9·0	8·5	8·5
	16	29·920	29·890	29·910	81·0	81·0	80·3	81·0	81·0	80·3	72·0	71·7	71.7	9·0	9·3	8·6
	17	29·880	29.860	29·860	80·5	80·5	80·0	80·0	80·0	79·6	72·0	72·0	72·0	8·0	8·0	7·6
	18	29·924	29·900	29·934	80·0	79·5	79·0	79·5	79·0	78·5	71·5	71·5	70·5	8·0	7·5	8·0
	19	29·900	29·900	29·910	80·0	79·8	79·5	79·7	79·5	79·3	71·5	71·5	71·5	8·2	8.0	7·8
	20	29·925	29·934	29·942	77·5	78·0	79·0	76·8	77·2	78·2	69·5	70·5	71·0	7·3	6·7	7·2
	21	29·894	29·924	29·940	80·7	81·0	80·5	80·0	80·4	80·0	73·5	73·5	73·5	6·5	6·9	6·5
	22	29·894	29·900	29·924	80·7	80·7	80·5	80·0	80·0	80·0	73·5	73·0	73·0	6·5	7·0	7·0
	23	29·886	29·850	29·860	80·0	80·0	79·5	80·0	80·0	79·5	73·0	73·0	73·0	7·0	7·0	6·5
	24	29·972	29·946	29·948	80·5	80·0	79·0	79·5	79·0	78·0	75·0	75·0	75·0	4·5	4·0	3·0
	25															
	26	29·974	29·960	29·978	79·0	79·0	79·0	78·8	78·8	78·8	72·0	72·0	72·0	6·8	6·8	6·8
	27	29·924	29·930	29·958	80·0	79·5	79·0	79·5	79·4	79·0	70·5	70·0	69·5	9·0	9·4	9·5
	28	30·006	30·012	30·028	80·0	79·0	79·0	79·0	78·5	78·0	66·0	67·0	66·0	13·0	11·5	12·0
	29	29·978	29·984	29·998	78·5	78·8	79·0	78·0	78.2	79·0	65·0	65·4	65·5	13·0	12.8	13·5
	30	29·976	29·988	29·994	76·0	76·0	75·5	75·5	75·5	75·0	60·0	59·0	60·0	15·5	16·5	15·0
	31	29·984	29·984	29·990	80·5	81·0	80·5	80.0	80·5	80·0	65·0	64·5	65·0	15·0	16·0	15·0

Date.		Barometer.			Attached Thermometer of Barometer.			Dry bulb. Thermometer.			Wet bulb Thermometer.			Difference of D. & W. Thermometer.		
		$9^h\ 30^m$	$10^h\ 00^m$	$10^h\ 30^m$	$9^h\ 30^m$	$10^h\ 00^m$	$10^h\ 30^m$	$9^h\ 30^m$	$10^h\ 00^m$	$10^h\ 30^m$	$9^h\ 30^m$	$10^h\ 00^m$	$10^h\ 30^m$	$9^h\ 30^m$	$10^h\ 00^m$	$10^h\ 30^m$
APRIL, 1846.	1	30·080	30·086	30·076	80°0	80°0	79°7	80°0	80°0	79°6	76°0	76°0	76°0	4°0	4·0	3°6
	2	30·028	30·028	30·028	81·0	81·0	81·0	81·0	81·0	81·0	76·0	76·5	77·0	5·0	4·5	4·0
	3	30·000	30·010	30·020	81·0	81·0	80·7	81·0	81·0	80·7	77·0	77·0	76·5	4·0	4·0	4·2
	4	30·050	30·066	30·055	82·0	81·5	81·0	82·0	81·5	81·0	78·0	78·0	78·0	4·0	3·5	3·0
	5	30·068	30·076	30·068	81·7	81·5	81·0	81·7	81·5	81·0	78·0	77·5	77·0	3·7	4·0	4·0
	6	30·000	30·016	30·008	81·0	81·0	80·5	81·0	81·0	80·5	77·0	77·0	76·5	4·0	4·0	4·0
	7	29·950	29·964	29·974	82·0	82·0	82·0	82·0	82·0	82·0	78·0	77·6	78·0	4·0	4·4	4·0
	8	30·028	30·040	30·030	82·4	82·4	82·2	82.5	82·4	82·2	77·8	77·8	77·0	4·7	4·6	5·2
	9	30·022	30·026	29·988	83·0	83·0	83·0	83·0	83·0	83·0	79·0	79·0	78·8	4·0	4·0	4·2
	10	29·981	29·994	29·980	84·0	84·5	84·3	84·4	85·0	84·6	79·0	80·0	80·0	5·4	5·0	4·6
	11	29·950	29·970	29·962	84·0	84·0	84·0	84·1	84·0	84·0	79·0	79·3	79·5	5·1	4·7	3·5
	12	30·048	30·050	30·040	83·5	83·2	83·2	83·5	83·2	83·2	79·0	79·0	79·5	4·5	4·2	3·7
	13	30·040	30·054	30·040	83·0	83·0	83·0	83·0	83·0	83·0	79·0	78·5	79·4	4·0	3·5	3·6
	14	30·026	30·032	30·020	84·0	84·0	84·0	84·0	84·0	84·0	79·0	79·0	79·0	5·0	5·0	5·0
	15	30·050	30·074	30·068	83·7	83·7	83·0	83·7	83·7	83·0	80·0	80·0	79·5	3·7	3·7	3·5
	16	30·060	30·075	30·072	83·0	83·0	82·7	83·0	83·0	82·7	79·0	78·5	79·2	4·0	4·5	3·5
	17	30·020	30·020	30·036	83·0	83·0	82·8	83·0	83·0	82·8	78·0	78·0	76·8	5·0	5·0	6·0
	18	30·050	30·060	30·040	83·0	83·0	83·0	83·0	83·0	82·5	79·5	79·5	79·0	3·5	3·5	3·5
	19	30·074	30·098	30·092	83·5	83·0	83·2	83·2	83·0	83·0	79·0	78·5	78·5	4·2	4·5	4·5
	20	30.096	30·110	30·082	83·0	83·0	83·0	83·0	83·0	83·0	78·5	78·5	79·0	4·5	4·5	4·0
	21	30·042	30·048	30·040	82·5	82·0	82·0	82·5	82·0	82·0	78·0	78·0	78·0	4·0	4·5	4·0
	22	30·030	30·040	30·036	82·5	82·5	82·5	82·5	82·5	82·5	79·0	79·5	79·5	3·5	3·0	3·0
	23	30.050	30·064	30·064	82·7	82·7	82·6	82·7	82·7	82·6	78·0	78·0	77·5	4·7	4·7	5·1
	24	30·060	30·066	30·056	82.0	82·0	81·7	82·0	82·0	81·7	78·0	78·0	78·0	4·0	4·0	3·7
	25	30·086	30·090	30·088	82·8	82·0	82·0	82·5	82·0	82·0	79·0	79·0	79·0	3·5	3·0	3·0
	26	30·040	30·040	30·036	82·5	82·5	82·5	82·7	82·5	82·5	79·0	79·0	79·0	3·7	3·5	3·5
	27	30·025	30·048	30·040	82·3	82·0	82·0	82·3	82·0	82·0	78·0	78·0	78·0	4·3	4·0	4·0
	28	30·015	30·034	30·034	83·5	82·5	82·5	83·5	82·5	82·5	78·0	77·5	77·5	5·5	5·0	5·0
	29	30·050	30·056	30·050	83·0	83·0	82·7	83·0	83·0	82·7	78·0	78·0	78·0	5·0	5·0	4·7
	30	30·000	30·010	30·010	83·0	83·0	82·5	83·0	83·0	82·5	78·0	78·0	78·0	5·0	5·0	4·5
	31															

Date.		Barometer.			Attached Thermometer of Barometer.			Dry bulb Thermometer.			Wet bulb Thermometer.			Difference of D. & W. Thermometer.		
		$9^h\ 30^m$	$10^h\ 00^m$	$10^h\ 30^m$	$9^h\ 30^m$	$10^h\ 00^m$	$10^h\ 30^m$	$9^h\ 30^m$	$10^h\ 00^m$	$10^h\ 30^m$	$9^h\ 30^m$	$10^h\ 00^m$	$10^h\ 30^m$	$9^h\ 30^m$	$10^h\ 00^m$	$10^h\ 30^m$
MAY, 1846	1	30·054	30·066	30·066	83°5	84°0	83°7	83°7	84°2	84°0	81°0	81°0	81°0	2°7	5°2	3°0
	2	30·062	30·067	30·068	80·0	79·5	79·3	80·0	79·5	79.3	75·0	75·0	75·0	5·0	4·5	4.3
	3	30·096	30·098	30·094	83·0	83·0	83·0	83·0	83·0	83·0	80·0	80·0	80·0	3·0	3·0	3·0
	4	30·096	30·102	30·100	83·4	83·4	83·0	83·4	83·4	83·0	80·0	80·0	80·0	3·4	3·4	3·0
	5	30·067	30·074	30·074	83·5	83·5	83·5	83·5	83·5	83·5	79·0	79·0	79·0	4·5	4.5	4·5
	6	30·066	30·066	30·084	84·0	84·0	84·0	84·0	84·0	84·0	79.0	79·0	79·0	5·0	5·0	5·0
	7	30·082	30·084	30·080	85·0	85·0	85·0	85·0	85·0	85·0	77·5	78·0	78·0	7·5	7·0	7.0
	8	30·036	30·040	30·038	85·0	85·0	85·0	85·0	85·0	85·0	79·0	79·0	79·0	6·0	6·0	6·0
	9	29·968	29·966	29.978	86.3	86·5	85·5	86·0	86·3	85·5	79·0	80·0	78.5	7·0	6·3	8·0
	10	29·964	29·976	29·980	86·5	86·5	86.3	86·5	86·5	86·3	80·0	80·0	80·0	6·5	6·5	6·3
	11	30·026	30·028	30·024	86·3	86·3	86·3	86·3	86·3	86·3	81·0	81·0	81·0	5·3	5·3	5·3
	12	30·026	30·040	30·030	86·0	86·0	86·0	86·0	86·0	86·0	79·0	79·0	79·0	7·0	7·0	7·0
	13	30·020	30·048	30·050	85·3	85·0	85·0	85·3	85·0	85·0	81·5	81·5	81.5	3·8	3·5	3·5
	14	30·024	29·980	29·992	85·0	85·0	85·0	85·0	85·0	85·0	81·0	81·0	81·0	4·0	4·0	4·0
	15	29.963	29·970	29·964	85·0	85·0	85·0	85·0	85·0	85·0	81·0	81·0	81·0	4·0	4·0	4·0
	16	29·950	29·963	29·960	85·0	85·0	84·5	85·0	85·0	84·5	81·0	82·0	82·0	4·0	3·0	2·5
	17	29·950	29·954	29·950	85·0	85·0	85·0	85·0	85·0	85·0	80·0	79·5	79·5	5·0	5·5	5·5
	18	29·942	29·940	29·936	84·5	84·5	84·3	84·5	84·5	84·3	80·0	80·0	80·0	4·5	4·5	4·3
	19	29·980	29·982	29·988	86·0	86·0	85·7	86·3	86·3	86·0	81·0	81·0	81·0	5·3	5·3	5·0
	20	29·984	29·990	29·984	86·0	86·0	86·0	86·0	86·0	86·0	81.0	81·0	81·0	5·0	5·0	5·0
	21	29·972	29·976	29·965	87·0	87·0	87·0	87.0	87·0	87·0	81·0	81·0	81·0	6·0	6·0	6·0
	22	29.960	29·974	29·970	86·5	86·5	86·5	86·7	86·7	86·7	81·0	81·0	81·0	5·7	5·7	5·7
	23	29·965	29·975	29·975	86·0	87·0	86·7	85·3	87·0	87.0	77·0	80·0	79·7	8·3	7·0	7·3
	24	29·958	29·962	29·952	87·5	87·0	86·5	88·0	87·5	86·8	82·0	80·0	77·0	6·0	7·5	9·8
	25	29·900	29·900	29·896	90·0	90·0	90·0	90·5	90·5	90·5	83·0	82·7	83·0	7·5	7·8	7·5
	26	29·920	29·920	29·912	90·0	90·0	89·0	90·5	90·5	88·5	84·0	84·0	77·0	6·5	6·5	11.5
	27	29·896	29·896	29·892	91·0	91·0	90·7	91·0	91·0	90·7	82·5	82·0	82·0	8·5	9·0	8·7
	28	29·[illegible]	29·892	29·890	92·0	92·0	92·0	92·0	92·0	92·0	82·0	84·5	84·0	10·0	7·5	8·0
	29	29·892	29·906	29·895	90·2	90·0	90·0	90·7	90·0	90·0	86·0	84·0	84·0	4·7	6·0	6·0
	30	29·862	29·878	29·870	90·0	90·0	89·5	90·0	90·0	89·5	84·0	84·0	84·0	6·0	6·0	5·5
	31	29·850	29·880	29·880	92·0	92·0	92·0	92·7	92·5	92·0	85·0	83·5	83·0	7·7	9·0	9·0

Date.		Barometer.			Attached Thermometer of Barometer.			Dry bulb Thermometer.			Wet bulb. Thermometer.			Difference of D. & W. Thermometer.		
		9h 30m	10h 00m	10h 30m	9h 30m	10h 00m	10h 30m	9h 30m	10h 00m	10h 30m	9h 30m	10h 00m	10h 30m	9h 30m	10h 00m	10h 30m
JUNE, 1846.	1	29·864	29·868	29·860	86°5	86°5	86°0	86°0	86°0	86°0	77°0	76°0	76°0	9°0	10°0	10·0
	2	29·874	29·863	29·858	93·0	92·0	92 0	92·7	92·7	92·7	82 0	82·7	82·7	10·7	10·0	10·0
	3	29·804	29·836	29.823	89·5	89·0	89·0	90·0	89·7	89·5	82·0	82·0	82·0	8·0	7·7	7·5
	4	29·900	29·904	29·904	89·0	88·7	88 0	89·2	88·7	88·0	80·0	80·0	79·0	9·2	8·7	9·0
	5	29·920	29·900	29·926	90·0	90·0	89·0	90·0	90.0	89·0	79·0	79·0	79·0	11·0	11·0	10·0
	6	29·912	29·924	29·918	91·0	91·0	90·0	91·2	91·0	90.0	79·0	79·0	79·0	12·2	12·0	10·0
	7	29·866	29·876	29·870	88·0	87·2	87·0	88·0	87·7	87·5	80·0	80·0	80·0	8·0	7·7	7·5
	8	29·890	29·900	29·868	88·5	88·0	87·5	89·5	89·0	88.3	81·6	80·6	80·6	7·9	8·4	7·7
	9	29·900	29·885	29·880	88·0	88·0	87·0	87·7	87·5	86·7	74·2	74·0	74·0	13·5	13·5	12·7
	10	29·890	29·896	29·892	87·5	87·3	87·0	88·2	88·0	87·7	83·0	83·0	82·0	5·2	5·0	5·7
	11	29·890	29·900	29·896	89·0	89·0	88·7	89·2	89·2	89·0	82·0	82·0	81·0	7·2	7·2	8·0
	12	29.863	29·848	29·845	89·7	89·5	89·0	90·0	89·5	89 0	81·0	79·0	76·5	9·0	10·5	12·5
	13	29·895	29·899	29·890	90·0	90·0	89·5	90·2	90·2	89·5	77·0	77·0	77·5	13·2	13·2	12·0
	14	29·750	29·754	29·736	87·5	87·5	87·5	88·0	88·0	88·0	79·0	80·0	81·0	9·0	8·0	7·0
	15	29·750	29·756	29·734	87·5	87·0	86·7	87·5	87·0	86·6	80·0	79·0	79·0	7·5	8·0	7·6
	16	29·868	29·890	29·876	88·0	88·0	87·5	88·7	88·7	88·0	81·0	81·0	79·0	7·7	7·7	9·0
	17	29·900	29·916	29·812	87·5	87·5	87·0	88·0	88·0	88·0	80·0	79·5	79·0	8·0	8·5	9·0
	18	29 848	29·860	29·856	87·5	87·5	87·0	89·2	88·5	87·7	83·0	83·0	83·0	6·2	5·5	4·7
	19	29·800	29·808	29·805	90·0	89·5	89·0	90·5	90·0	90·0	83·0	83·0	83·5	7·5	7·0	6·5
	20	29·820	29·826	29·819	90·0	90·0	89·0	90·0	90·0	89 0	83·0	83·2	83·3	7·0	6·8	6·7
	21	29·850	29·856	29·848	90·0	90·0	89·5	90·0	90·0	89·5	81·0	81·0	81·0	9·0	9·0	8·5
	22	29·908	29·926	29·920	90 0	89·0	89·0	90·7	90·0	90·0	84·0	83·0	83·0	6·7	7·0	7·0
	23	29·836	29·850	29·846	90·3	89 0	89.0	91·0	90·0	90·0	82·0	82·0	82·0	9·0	8·0	8·0
	24	29·764	29·772	29·768	88·5	88·5	88·0	89·0	89·0	88·5	83·0	83·0	82·0	6·0	6·0	6·5
	25	29·772	29·776	29·774	91·0	91·0	91·0	91·0	91·0	91·0	83·0	84·0	84·0	8·0	7·0	7·0
	26	29·790	29·810	29·796	88·5	88·5	89·0	88·5	88·5	89·0	82·0	81·0	80·0	6·5	7·5	9·0
	27	29 820	29·826	29·826	89·5	89·5	89·5	90·5	90·5	90·5	83·5	84.0	84·0	7·0	6·5	6·5
	28	29·694	29·704	29·700	92·0	94·0	94·0	91.7	93·7	93·7	75·0	76·0	76·0	16·7	17·7	17·7
	29	29·715	29·715	29·715	89·0	89·0	89·5	89·7	89·5	90·2	81·0	80·0	82·0	8·7	9·5	8·2
	30	29·744	29·756	29·750	90 0	90·0	89·0	90·0	90·0	89·0	83.0	83·0	82·0	7·0	7·0	7·0
	31															

Date.		Barometer.			Attached Thermometer of Barometer.			Dry bulb Thermometer.			Wet bulb Thermometer.			Difference of D. & W. Thermometer.		
		9h 30m	10h 00m	10h 30m	9h 30m	10h 00m	10h 30m	9h 30m	10h 00m	10h 30m	9h 30m	10h 00m	10h 30m	9h 30m	10h 00m	10h 30m
JULY, 1846.	1	29·730	29·730	29°722	88°0	88°0	88°0	88°0	88°0	88°0	80°0	80°0	80°0	8°0	8°0	8°0
	2	29·684	29·690	29·688	93·0	93·0	92·5	93·0	93·0	92·5	81·0	80.5	80·5	12·0	12·5	12·0
	3	29·726	29·728	29·720	88·0	88.0	87·5	88·0	88·0	87·5	78·0	78·0	78·0	10·0	10·0	9·5
	4	29·836	29·820	29.808	88·8	88·8	88·5	89·0	89·0	88·7	79·0	79·0	79·0	10·0	10·0	9·7
	5	29·868	29·876	29·870	89·5	90·5	90·5	89·2	90·5	90·5	74·5	75·0	75·0	15·2	15·5	15.5
	6	29·836	29·846	29·838	92·0	92·0	91·5	92·0	92·0	91·5	81·0	81·0	81·0	11·0	11·0	10·5
	7	29·794	29·804	29·810	87·3	86·3	86·0	88·0	87·0	86·7	80·0	80·0	80·0	8·0	7·0	6·7
	8	29·748	29·760	29·754	86·0	86·0	86·0	86·3	86·3	86·3	80·0	80·0	80·0	6·3	6·3	6·3
	9	29·770	29.776	29·776	88·0	87·5	87·5	88·0	87·5	87·5	80·0	80·0	80·0	8·0	7·5	7·5
	10	29·784	29·788	29·798	87·7	88·0	87·5	87 7	88·0	87.5	80·5	81 0	81·0	7·2	7·0	6·5
	11	29·772	29·786	29·784	96·0	90·0	89·5	90·0	90·0	89·5	78·0	78·0	78·0	12·0	12·0	11·5
	12	29 760	29·771	29·764	89·0	88·5	88·0	89·5	89·0	88·5	81·5	82·0	81·5	8·0	7·0	7·0
	13	29·774	29·774	29·776	91·0	90·0	89·0	91·0	90·5	89·3	81·0	79·0	77·0	10·0	11·5	12·5
	14	29·750	29·760	29·750	88·0	88·0	88·0	88.0	88·0	88·0	82·0	82·0	82·0	6·0	6·0	6·0
	15	29·758	29·765	29·765	90·0	90·0	90·0	90·0	90·0	90·0	83·0	83·0	82·5	7·0	7.0	7·5
	16	29·698	29·712	29·712	87·0	87·0	87·0	87·3	87·3	87·3	81·3	82·0	81·5	6·0	5.3	5·8
	17	29·646	29·636	29·650	89·0	89·0	89·0	89·0	89·0	89·0	80·0	80·0	80.0	9·0	9·0	9·0
	18	29·694	29·700	29·698	91·0	90·3	90·0	91·0	90·3	90·0	77·0	79·0	80·0	13·0	11·3	10·0
	19	29·750	29.750	29·750	88·5	88·2	88·0	89·5	89·0	88·5	83·0	83·0	81·0	6·5	6·0	7·5
	20	29·774	29·778	29·814	90·3	91·5	90·0	91·3	90·5	90·0	82·0	82·0	81·0	9·3	8·5	9·0
	21	29·798	29·788	29·798	89·5	89·2	88·7	89·7	89·7	89·0	80·0	80·0	80·0	9·7	9·7	9·0
	22	29·704	29·710	29·705	88·5	88·5	88·0	89·0	89·0	88·5	83·0	83·0	83·0	6·0	6·0	5·5
	23	29·774	29·774	29·768	90·0	91·0	91·0	90·0	91·0	91·0	76·0	77·0	77·0	14·0	14·0	14·0
	24	20·884	29·884	29·864	88·5	88·5	88·0	89·0	89·0	88·5	79·0	79·0	79·0	10·0	10·0	9·5
	25	29·893	29·906	29·880	91·0	91·0	90·7	91·5	91·5	91·0	78·5	79·0	79·0	13·0	12·5	12·0
	26	29·749	29·750	29·748	88·5	88·0	88·0	88·5	88·0	88·0	81·0	81·0	81·5	7·5	7·0	6·5
	27	29·726	29·730	29·730	89·0	89·0	89·0	89·0	89·0	89·0	81·0	81·0	81·0	8·0	8·0	8·0
	28	29·784	29·808	29 808	88·0	88·0	87·5	88·5	88·5	88·0	80·0	80·0	81·0	8·5	8·5	7·0
	29	29·858	29·820	29·870	88·0	88·0	88·0	88·0	88·0	88·0	79·0	80·0	81·0	9·0	8·0	7·0
	30	29·772	29·782	29·767	93·0	94·0	94·0	93·0	94·0	94·0	76·0	76·0	76·0	17·0	18·0	18·0
	31	29·724	29·746	29·746	88·5	88·0	88·0	88·5	88·0	88·0	80.0	80·0	80.0	8·5	8·0	8·0

Date.		Barometer.			Attached Thermometer of Barometer.			Dry bulb Thermometer.			Wet bulb Thermometer.			Difference of D. & W. Thermometer.		
		9h 30m	10h 00m	10h 30m	9h 30m	10h 00m	10h 30m	9h 30m	10h 00m	10h 30m	9h 30m	10h 00m	10h 30m	9h 30m	10h 00m	10h 30m
AUGUST, 1846.	1	29·805	29·805	29·805	91·5	91·5	92°·0	92·0	92·0	92°·0	79°·0	72·0	74°·0	13·0	20°·0	18·0
	2	29·752	29·764	29·792	94·0	95·0	95·5	94·5	95·5	96·0	81·0	77·0	78·0	13·5	18·5	18·0
	3	29·816	29·825	29·825	96·3	96·0	95·0	96·3	96·0	95·0	77·0	77·0	77·0	19·3	19·0	18·0
	4	29·830	29·834	29·826	87·0	87·0	87.0	87·5	87·5	87·5	76·0	77·0	77·0	11·5	10·5	10·5
	5	29·763	29·760	29·758	88·0	87·6	87·6	88·7	88·2	88·2	77·5	77·0	77·0	11·2	11·2	11.2
	6	29·684	29·700	29·688	91·0	90·5	88·5	91·3	91·0	89·0	78·0	78·0	78·0	13·3	13·0	11·0
	7	29·803	29·788	29·784	83·0	86·0	85·0	84·0	86·7	85·0	77·0	77·0	76·0	7·5	9·7	9·0
	8	29·785	29·796	29·775	85·0	84·0	84·0	86·0	85·0	85·0	78·5	77·5	77.5	7·5	7·5	7·5
	9	29·718	29·718	29·720	84·5	84·0	84·0	85·0	84·0	84·0	77·0	77·0	77·0	8·0	7·0	7·0
	10	29·834	29·848	29·840	91·0	89.5	89·0	91·0	89·5	89·0	74·0	75·0	75·0	17·0	14·5	14·0
	11	29·888	29·882	29·882	88·0	84·3	85·0	88·5	85·2	85·7	77·0	76·0	76·0	11·5	9·2	9·7
	12	29·842	29·840	29·812	85·0	86·0	86·0	86·0	87·0	87·0	75·0	75.0	75·0	10·0	12·0	12·0
	13	29·784	29·784	29·768	90·0	89·5	88·7	90·5	90·0	89·7	79·0	79·0	80·0	11·5	11·0	9·7
	14	29·824	29·836	29·830	93·4	93·0	91·0	93·4	93·0	91·0	78·0	78·0	78·0	15·4	15·0	13·0
	15	29·848	29·888	29·880	79.0	75·0	76·0	79·5	75·0	76·0	71·5	70·0	70·0	8·0	5.0	6·0
	16	29·856	29·843	29·812	82·2	82·0	83·0	83·0	83·0	84·0	72·2	73·0	75·7	10·8	10·0	10·3
	17	29·876	29.870	29·864	89·5	89.0	88·0	89·5	89·0	88·0	76·0	76·0	76·0	13·5	13·0	12·0
	18	29·867	29·794	29·800	81·0	85·0	86·0	81·0	85·0	86·0	73·0	74·5	75·5	8·0	10·5	10·5
	19	29·800	29·804	29·804	79·0	79·5	79·5	79·0	79·5	79·5	72·5	73·0	73·0	6·5	6·5	6·5
	20	29·800	29·804	29·790	80·0	80·5	81·0	80·0	80·5	81·0	75·5	75·5	76·0	4·5	5·0	5·0
	21	29·854	29·856	29·852	82·5	81·5	81·5	82·0	82·0	82·0	77·0	76·0	77·0	6·0	6·0	5·0
	22	29·910	29·926	29·910	90·0	90·2	86·0	90·0	90·0	86·0	75·0	76·0	75·0	15·0	14·0	11·0
	23	29·865	29·874	29.848	86·0	86·4	83·0	86·0	86·4	83·0	75·0	75·4	74·5	11·0	11·0	7·5
	24	29·840	29·818	29·846	90·0	89·0	88·0	90·7	89·4	88·0	75·0	75·0	75·0	15·7	14·4	13·0
	25	29·768	29·768	29·788	80·0	80·0	82·5	80·5	80·7	82·5	72·0	72·0	72·0	8·5	8·7	10·5
	26	29·805	29·810	29·810	84·0	84·0	84·0	84·6	84·6	84·4	75·0	75·0	75·0	9·6	9·6	9·0
	27	29·778	29·772	29·762	81·0	81·0	81·0	82·0	82·0	82·0	71·5	72·0	73·0	10·5	10·0	9·4
	28	29·770	29·768	29·760	79·0	77·6	77·0	80·0	78·7	78·0	72.0	72·0	72·0	8·0	6·7	6·0
	29	29·824	29·830	29·830	85·0	84·0	83·2	85·0	84·0	83·2	73·0	73·0	73·0	12·0	11·0	10·2
	30	29·856	29·860	29·858	85·0	84·0	83·2	85·3	84·0	83·3	78·0	78·0	78·2	17·3	16·2	15·1
	31	29·894	29.890	29·886	88·5	88·5	88·0	89·0	89·0	88·5	79·0	79·5	79·5	10·0	9·5	9·0

Date.		Barometer.			Attached Thermometer of Barometer.			Dry bulb Thermometer.			Wet bulb Thermometer.			Difference of D. & W. Thermometer.		
		9h 30m	10h 00m	10h 30m	9h 30m	10h 00m	10h 30m	9h 30m	10h 00m	10h 30m	9h 30m	10h 00m	10h 30m	9h 30m	10h 00m	10h 30m
SEPTEMBER, 1846.	1	29·860	29·834	29·824	88°·5	88°·3	88°·0	89°·0	88°·7	88°·5	78°·0	78°·0	77°·0	11°·0	10°·2	11·5
	2	29·865	29·860	29·844	88·0	88·0	87·5	88·0	88·0	87·5	78·0	78·0	78·0	10·0	10·0	9·5
	3	29·822	29·840	29·837	88·0	87·3	87·1	88·5	87·7	87·5	80·0	77·0	77·0	8·5	10·7	10·5
	4	29·880	29·892	29·888	87·5	87·0	87·0	88·0	87.5	87·3	76·0	76·0	77·0	12·0	10·5	10·3
	5	29·898	29·904	29·900	87·5	87·5	86·7	88·0	88·0	87·2	76·0	76·0	77·0	12·0	12·0	10·2
	6	29·870	29·865	29·860	87·0	87·0	86·2	87·0	87·0	86·2	76·0	76·0	77·0	11·0	11·0	9·2
	7	29·734	29·730	29·730	87·5	87·0	86·5	88·0	87·5	87·0	79·0	79·0	79·0	9·0	8·5	8·0
	8	29·760	29·712	29·712	86·0	84·5	84.0	86.5	86·0	85·0	76·0	76·0	77·0	10·5	10·0	8·0
	9	29·804	29·790	29·770	81·0	81·0	82·0	82·0	82·0	83·0	75·0	73·0	75·0	9·0	9·0	9·0
	10	29·834	29·840	29·840	84.5	84·5	84·0	85·5	85·0	84·5	78·0	78·0	78·0	7·5	7·0	6·5
	11	29·730	29·745	29·740	87·0	87·0	87·0	87·0	87·0	87·0	78·0	78·0	78·0	9·0	9·0	9·0
	12	29·838	29·842	29·850	88·0	88·0	88·0	89·0	89·0	89·0	80·0	80·0	80·0	9·0	9·0	9·0
	13	29·870	29·874	29·874	89·7	89·7	89·7	90·0	90·0	90·0	75·0	75·0	74·0	15·0	15·0	16·0
	14	29·900	29·918	29·905	93·5	93·0	92·5	93·5	93·0	92·5	79·0	79·0	79·0	14·5	14·0	13·5
	15	29·830	29·836	29·837	91·5	90·0	89.5	91·5	90·5	90·5	78·0	78·0	78·5	12·5	12·5	12·0
	16	29·874	29·880	29·876	91·0	90·0	90·0	91·0	90·0	90·0	79·0	79·0	79·0	12·0	11·0	11·0
	17	29·850	29·822	29·812	89·5	89·0	89·0	90·0	89·5	89·5	76·5	77·0	77.0	13·5	12·5	12·5
	18	29·844	29·844	29·874	89·0	89·0	88·5	89·5	89·5	89·0	72·0	72·0	71·0	17·5	17·5	18·0
	19	29·920	29·910	29·904	89·0	88·6	88·0	89·8	89·2	88·6	76·0	77·0	77·0	13·8	12·2	11·6
	20	29·862	29·864	29·860	91·0	91·0	90·7	90·6	90·6	90·2	75·0	75·0	75·0	15·6	15·6	15·2
	21	29·848	29·850	29·850	90·2	90·5	90·5	91·2	90·5	90·5	79.0	76·0	75·0	12·2	14·5	15·5
	22	29·960	29·970	29·965	91·5	91·5	91·0	91·5	91·5	96·0	76·0	76·0	77·0	15·5	15·5	14·0
	23	29·910	29·892	29·874	90·5	90·5	90·0	91·0	91·0	90·2	81·0	81·0	80.5	10·0	10·0	9·7
	24	29·882	29·880	29·876	88·0	87·2	87·0	88·0	87·2	87·0	75·0	75·0	75·0	13·0	12·2	12·0
	25	29·908	29·916	29·900	88·0	88·0	87·5	88·0	88·0	87.5	79·0	79·0	79·0	9·0	9·0	8·5
	26	29·944	29·950	29·948	88·0	87·5	87·2	88·0	87·5	87·2	79·0	79·0	78·5	9·0	8·5	8·7
	27	29.950	29·950	29·943	87·0	87·0	87·0	87·0	87·0	87·0	79·0	79·5	79·5	8·0	7·5	7·5
	28	29·950	29·962	29.932	86·5	86·5	86·4	86·5	86·5	86·4	79·0	79·0	79·0	7·5	7·5	7·5
	29	29·964	29·972	29·954	87·0	87·0	86·8	87·0	87·0	86·8	78·0	78·0	78·0	9·0	9·0	8·8
	30	29·984	29·982	29·960	86·0	86·0	85·4	86·0	86·0	85·4	78·0	78·0	78·0	8·0	8·0	7·4
	31															

Date.		Barometer.			Attached Thermometer of Barometer.			Dry bulb. Thermometer.			Wet bulb Thermometer.			Difference of D. & W. Thermometer.		
		9h 30m	10h 00m	10h 30m	9h 30m	10h 00m	10h 30m	9h 30m	10h 00m	10h 30m	9h 30m	10h 00m	10h 30m	9h 30m	10h 00m	10h 30m
OCTOBER, 1846.	1	30·016	30·022	30·011	85°·4	85°·2	85°·0	85·4	85·2	85°·2	78°·0	78°·0	77°·5	7°·4	7°·2	7°·7
	2	30·024	30·028	30·016	85·0	84·8	84·5	85·0	84·8	84·5	79·0	78·0	77·0	6·0	6·8	7·5
	3	30·032	30·040	30·036	84·0	84·0	83·8	84·0	84·0	83·5	76·0	76·0	76·0	8·0	8·0	7·5
	4	30·034	30·048	30·036	84·0	84·0	83·8	84·0	84·0	83·8	76·5	77·0	76·5	7·5	7·0	7·3
	5	30·120	30·134	30·120	84·0	83·5	83·0	84·0	83·5	83·0	77·0	77·0	76·5	7·0	6·5	6·5
	6	30·090	30·092	30·090	82·4	82·4	81.7	82·4	82·4	81·7	73·0	73·0	72·0	9·4	9·4	9·7
	7	30·032	30·038	30·008	82 0	81·0	80·4	82·0	81·5	80·7	72·0	71·5	70·5	10·0	10·0	10·2
	8	30·070	30·086	30·084	82·0	82·0	82·0	82·0	82·0	82 0	76·0	76·0	76·0	6·0	6·0	6·0
	9	30·098	30·110	30·112	82·0	82·0	81·6	82·0	82·0	81·6	75·0	75·0	75·0	7·0	7·0	6·6
	10	30·098	30·100	30·994	82·0	82·0	82·0	82·0	82·0	82·0	75·0	75·0	75·0	7·0	7·0	7·0
	11	30·120	30.118	30·118	82·5	82·2	82.0	82·5	82·2	82·0	75·0	75·0	75·0	7·5	7 2	7·0
	12	30·106	30·106	30·100	84·0	84·0	84·0	84·0	84·0	84·0	75·0	75·0	75·0	9·6	9·0	9·0
	13	30·100	30·110	30·096	85 0	85·0	84·3	85·0	85·0	84·3	76·0	76·0	75·4	9·0	9·0	8·9
	14	30·110	30·110	30·060	82·8	82·5	82·2	82·8	82·5	82·2	75·0	75·0	75·0	7·8	7·5	7·2
	15	30·030	30·026	30·018	84·0	84·0	84·0	84·0	84·0	84·0	75·2	75·2	75 2	8·8	8·8	8·8
	16	30·020	30·018	30·014	85·5	85·5	84·5	87·0	86·5	86 0	78·0	78·0	78·0	9·0	8·5	8 0
	17	30·102	30·108	30·106	81·7	81·0	80·5	81 7	81·0	80·5	75·0	75·0	75·0	6·7	6·0	5·5
	18	30·104	30·100	30·090	82·4	82·0	81·5	82·4	82·0	81·5	74·0	74·0	74·0	8·4	8·0	7·5
	19	30·094	30·060	30·048	82·0	82·0	82·0	82·0	82·0	82·0	75·0	75·0	75·0	7·0	7·0	7·0
	20	30·094	30 096	30·084	82·0	81·0	81·0	81·0	81·0	81·0	75·0	75·0	75·0	6·0	6 0	6·0
	21	30·080	30·084	30·080	83·0	83·0	83·0	83·0	83·0	83·0	75·0	75·0	75·0	8·0	8·0	8·0
	22	30·034	30·050	30·020	82·2	83·0	83·0	82·2	83·0	83 0	73.0	73·0	73·0	9·2	10·0	10·0
	23	30·050	30·000	29·996	83·0	81·0	80·0	83·0	81·0	80·0	70·0	67·0	63·0	13·0	14·0	17·0
	24	30·060	30·050	30·040	83·0	83·0	82·5	83·0	83·0	82·5	76·0	76·0	76·0	7·0	7 0	6·5
	25	30·050	30·042	30·030	83·2	83·0	82 5	83·0	83·0	82·5	75·0	75·0	75·0	8·0	8·0	7·5
	26	30·074	30·042	30·032	82·5	82·0	82·0	82·5	82·0	82·0	75·0	74·5	74·5	7·5	7·5	7·5
	27	30 064	30·060	30·060	82·0	82·0	82·0	82·0	82.0	82·0	74·5	74·5	74·5	7·5	7·5	7·5
	28	30·054	30·050	30·048	82 0	82·0	82·0	82·0	82·0	82·0	75·0	75·0	75·0	7·0	7·0	7·0
	29	30·050	30·062	30·050	82·0	81·5	81·0	82·0	81·5	81·0	75·0	75·0	75·0	7·0	6·5	6 5
	30	30·074	20·070	30·068	82·0	82·0	82·0	82·0	82·0	82·0	76·0	76·0	76·0	6·0	6·0	6·0
	31	30·094	30·090	30·086	82·5	82·0	82·0	82·5	82·0	82·0	74·0	74·0	74·0	8·5	8·0	8·0

Date		Barometer.			Attached Thermometer of Barometer.			Dry bulb Thermometer.			Wet bulb Thermometer.			Difference of D. & W. Thermometer		
		9h30m	10h 00m	10h 30m	9h 30m	10h 00m	10h 30m	9h 30m	10h 00m	10h 30m	9h 30m	10h 00m	10h 30m	9h 30m	10h 00m	10h 30m
NOVEMBER, 1846.	1	30·141	30·104	30·110	82°·0	82°·0	82°·0	82°·0	82°·0	82°·0	75°·0	75°·0	75°·0	7·0	7·0	7°·0
	2	30·164	30·163	30·160	81·2	81·0	81.0	81·2	81·0	81·0	75·0	75·0	75·0	6·2	6·0	6·0
	3	3)·148	30·148	30·144	81·0	81·0	81·0	80·0	80·0	80·0	72·0	72·0	72·0	8·0	8·0	8·0
	4	30·140	30·146	30·130	81·0	81·0	80·4	81·0	81·0	80·4	71·0	71·0	70·0	10·0	10·0	10·4
	5	30·100	30·108	30·102	80·0	80·0	79·5	80·0	80·0	79·5	72 0	72·0	72·0	8·0	8·0	7·5
	6	30·104	30·116	30·116	81·0	81·0	81 0	81·0	81·0	81·0	75·0	75·0	75·0	6·0	6·0	6·0
	7	30·104	30·116	30·116	82·0	82·0	81·5	82·0	82·0	81·5	74·5	74·5	74·5	7·5	7·5	7.0
	8	30·116	30·116	30·110	82·0	82·0	81·0	82·0	82·0	81·0	74·0	74·0	74·0	8·0	8·0	8·0
	9	30·124	30·134	30·130	81·0	80·5	80·0	81·0	80·5	80·0	75 0	75·0	75·0	6·0	5·5	5·0
	10	30·148	30·124	30·100	80·0	79·5	79·0	80·0	79·5	79·0	73·0	72·5	72·0	7·0	7·5	7·0
	11	30·124	30·120	30·088	80·0	80·0	80·0	80·0	80·0	80·0	75·0	78·0	75·0	5·0	5·0	5·0
	12	30·128	30·120	30·100	80·8	80·5	80·0	80·8	80·5	80·0	75·0	75·0	75·0	5·8	5·5	5·0
	13	30·152	30·164	30·160	80·0	79·5	79·0	80·0	79·5	79.0	75·0	75·0	75·0	5·0	4·5	4·0
	14	30·174	30·204	30·174	80 0	80·0	80·0	80·0	80·0	80·0	74·5	75·0	75·0	5·5	5·0	5·0
	15	30·190	30 200	30·180	80·2	80·0	79·5	80·2	80·0	79·5	77·0	77·0	76·5	3·2	3·0	3 0
	16	30·170	30.194	30·180	80·0	79·5	79·0	80·0	79·5	79·0	74·0	74·0	74·0	6·0	5·5	5·0
	17	30·120	30·136	30·132	81·0	81·0	80·5	81·0	81·0	80.5	77·0	77·0	76·5	4·0	4·0	4·0
	18	30·120	30·134	30·130	79·5	79·5	79·0	79·5	79·5	79·0	75·0	75·0	75·0	4·5	4·5	4·0
	19	30·218	30·220	30·200	80·5	80·0	80·0	80·5	80·0	80·0	75·0	75·0	75·0	5·5	5·0	5·0
	20	30·190	30·200	30·190	80·0	80·0	79·5	80·2	80·2	80.0	75 0	75·0	75·0	5·2	5·2	5 0
	21	30·150	30·190	30·186	79·0	79 0	79·0	79·0	79·0	79·0	74·0	74·0	74·0	5·0	5·0	5·0
	22	30·164	30·170	30·165	78·5	73·0	77·5	78·5	78·0	77·5	73·0	73.0	73·0	5·5	5·0	4·5
	23	30·150	30·150	30·142	78·0	78·0	78·0	78·0	78·0	78·0	73·0	73·0	73·0	5·0	5·0	5·0
	24					Removing to Seerah.										
	25	30·148	30·156	30·143	78·2	78·1	78·0	78·2	78·1	78·0	73·0	73·0	73·0	5·2	5·1	5·0
	26	30·072	30·108	29·994	78·5	78·2	78·0	78·5	78·2	78·2	74·2	74·0	74·0	4·3	4·2	4·0
	27	30·094	30·090	30·090	78·0	78·0	78·0	78·0	78·0	78·0	74·5	74·5	74·0	3·5	3·5	4·0
	28	30·120	30·130	30·122	79·0	79·0	78·5	79·0	79·0	78·5	73·0	73·0	73·0	6·0	6·0	5·5
	29	30·150	30·142	30·140	78·7	78·5	78·5	78·7	78·2	78·2	72·5	73·0	73·0	6·2	5·2	5·2
	30	30·144	30·120	30·110	78·0	78·0	77·5	78·0	78·0	77·5	72·0	72·0	72·0	6·0	6·0	5·5
	31															

Date.		Barometer			Attached Thermometer of Barometer.			Dry bulb Thermometer.			Wet bulb Thermometer.			Difference of D. & W. Thermometer.		
		9h 30m	10h 00m	10h 30m	9h 30m	10h 00m	10h 30m	9h 30m	10h 00m	10h 30m	9h 30m	10h 00m	10h 30m	9h 30m	10h 00m	10h 30m
DECEMBER, 1846.	1	30·100	30.118	30·100	78°·5	78°·2	78°·0	78°·5	78°·2	77°·5	72·0	72°·0	72°·0	6°·8	6°·2	5°·5
	2	30·108	30·122	30·112	78 0	78·0	77·0	78·0	78·0	77·0	73·0	72·8	72·0	5·0	5·2	5·0
	3	30·116	30·124	30·090	78·0	78·0	77·5	78·0	78·0	77·5	74·0	74·0	73·5	4·0	4·0	4·0
	4	30·074	30·088	30·048	78·0	78·0	78·0	78·0	78·0	78·0	74·5	74·5	74·5	3·5	3·5	3·5
	5	30·058	30·060	30·050	77·2	77·0	77·0	77·2	77·0	77·0	73·0	73·0	73·0	4·2	4·0	4·0
	6	30·065	30·079	30·070	78·0	78·0	77·5	78·0	78·0	77·5	72·0	72·0	72·0	6·0	6·0	5·5
	7	30·142	30·146	30·122	77·0	77·0	76·8	77·0	77·0	76·8	69·5	69·5	69·0	7·5	7·5	7·8
	8	30.140	30·134	30·132	77.0	77·0	77·0	76·5	76·5	76·2	71·0	71·5	71·0	5·5	5·0	5·2
	9	30·120	30·140	30·106	76·4	76·4	76·2	76·0	76·0	75·8	70·0	70·0	70·0	6·0	6·0	5·8
	10	30·106	30 114	30·109	76·0	76 0	75·4	76·0	76·0	75·5	69·0	69·0	69·0	7·0	7·0	6·5
	11	30·068	30·056	30·050	76·0	76·0	76·0	76 0	76·0	76·0	70·0	70·0	70·0	6·0	6·0	6·0
	12	30 060	30·070	30·078	76·0	76·0	75·8	75·5	75·5	75·3	70·0	70·0	70·2	5·5	5·5	5·1
	13	30·062	30·070	30·064	76 5	76·2	76.2	76·0	76·0	75·8	72·0	72·0	72·0	4·0	4·0	3·8
	14	30·040	30·053	30·050	76·0	76.0	76·0	75·5	75·5	75.5	70·5	70·5	70·5	5·0	5·0	5·0
	15	30·008	30·024	30·010	75·6	75·4	75·4	75·0	74·8	74.5	68·5	68·5	68·5	6·5	6·3	6·0
	16	30·073	30·020	30·000	75·6	75·6	75·3	75·0	75·0	75·0	69·0	69·0	69·0	6·0	6·0	6·0
	17	30·050	30·062	30·034	77·0	76·5	76·2	76·2	75·8	75·4	70·0	70·0	69·5	5·8	5·4	5·9
	18	30·062	30·071	30·040	76·0	75·8	75·5	75·2	75·0	75·0	69·0	68·5	68·5	6·2	6·5	6·8
	19	29·967	30·070	30·057	76·0	76·0	75·4	75·5	75·0	75·0	70·0	70·0	69·7	5·5	5·0	5·3
	20	30·042	30·050	30·040	76.8	76·5	76·0	76·0	75·5	75·3	70·0	70·0	69·5	6·0	5·5	5·8
	21	29·990	29·982	29 972	75·5	74·5	74·0	75·0	74·0	73·5	70·0	70·0	70·0	5·0	4.0	3·5
	22	30·018	29·994	29·986	76·5	75·5	75·5	76·0	75·0	75·0	72·0	72·6	71·5	4·0	3·0	3·5
	23	30·044	30·050	30·046	76·0	76·0	76·0	76·0	76·0	76·0	72·0	72·0	72·0	4·0	4·0	4·0
	24	30·044	30·060	30·060	77·0	77·0	76·5	76·3	76·3	76·0	70·0	70·0	70·0	6·3	6·3	6·0
	25															
	26	30·040	30·056	30·050	77·5	77·0	76·5	77·0	76·5	76·0	69·0	69·0	69·0	8·0	7·5	7·0
	27	30·058	30·004	29·984	76·2	76·0	75·5	75·4	75·2	75·0	68·5	68·0	68·0	6·9	7·2	7·0
	28	30·064	30·058	30.058	76·0	76.0	75·5	76·0	76·0	75.5	67·0	67·0	67·0	9·5	9·0	8·5
	29	30·094	30·108	30·000	75·5	75·2	75·5	75·5	75.2	75.5	62·0	62·0	62·0	13·5	13.2	13·5
	30	30.118	30·114	30·100	76·0	75·5	75·0	75·5	75·0	74·5	63·0	63·0	63·0	12·5	12·0	11·5
	31	30·100	30·096	30·089	76·0	76·0	76·0	75·5	75·5	75·5	65·0	64·5	64·5	10·5	11·5	11·5

Date.		Barometer.			Attached Thermometer of Barometer.			Dry bulb Thermometer.			Wet bulb Thermometer			Difference of D. & W. Thermometer.		
		$21^h 30^m$	$22^h 00^m$	$22^h 30^m$	$21^h 30^m$	$22^h 00^m$	$22^h 30^m$	$21^h 30^m$	$22^h 00^m$	$22^h 30^m$	$21^h 30^m$	$22^h 00^m$	$22^h 30^m$	$21^h 30^m$	$22^h 00^m$	$22^h 30^m$
APRIL, 1816.	1	30·110	30·130	30·110	83·2	84·0	84·3	83°·2	84·0	84·5	77°·0	77·5	77·5	6·2	6·5	7·0
	2	30·050	30·078	30·028	83·5	84·5	84·9	83·6	84·6	85·0	77·8	77·8	77·5	5·8	6·8	7·5
	3	30·113	30·114	30·082	85·0	86·0	86·0	85·2	86·0	86·0	78·0	78·7	78·5	7·2	7·3	7·5
	4	30·114	30·116	30·105	84·0	84·5	85·3	84·0	84·7	85·5	78·0	78·5	78·5	6·0	6·2	7·0
	5	30·120	30·127	30·100	84·5	85·0	85·5	84·5	85·0	85·5	78·0	78·2	78·5	6·5	6·8	7·0
	6	30·050	30·056	30·046	85·6	86·0	86.0	86·0	86·2	86·2	78·5	78·7	79·0	7·5	7·5	7·2
	7	30·030	30·040	30·027	85·0	86·0	86·0	85·5	86·2	86·5	79·0	80·0	80·0	6·5	6·2	6·5
	8	30·080	30·090	30·060	86·5	87·0	87·0	85·7	87·0	87·0	79·0	80·0	80·0	7·7	7·0	7·0
	9	30·046	30·050	30·030	86·5	86·0	86·5	86·5	86·0	86·5	80·0	79.0	79·0	6·5	7·0	7·5
	10	30·052	30·070	30·062	87·0	87·0	87·2	87·0	87·0	87·2	80·0	80·0	80·0	7.0	7·0	7·2
	11	30·076	30·091	30·082	87·0	87·5	87·7	87·0	87·5	86·9	81·0	80·5	81·0	6·0	6·0	5·9
	12	30·060	30·088	30·079	86·7	86·7	87·0	86·7	86·7	87·0	80·0	80·2	80·5	6·7	6·5	6·5
	13	30·074	30·086	30·066	87·5	87·0	88·0	87·5	87·0	88·0	81·0	81·0	81·5	6·5	6·0	6·5
	14	30·069	30·070	30·084	87·5	87·7	88·0	87·5	87·7	88·0	80.7	80·7	81·0	6·8	7·0	7·0
	15	30·100	30·112	30·112	86·5	86·7	87·0	86·5	86·7	87·0	80·5	80·7	80·0	6·0	6·0	7·0
	16	30·070	30·104	30·104	87·5	86·0	87·5	87·7	86·0	87·5	80·5	79·5	80·0	7·2	6·5	7·5
	17	30·081	30·090	30·076	86·0	86·0	86·2	86·0	86·0	86·2	79·7	79·5	80·0	6·5	6·3	6·2
	18	30·110	30·116	30·108	87·0	87·5	87·5	87·0	87·5	87·5	80·0	80·5	80·5	7·0	7·0	7·0
	19	30·123	30·140	30·140	86·7	87·5	88.0	86·8	87·5	88·0	81·2	81·0	81.2	5·6	6·5	6·8
	20	30·120	30·130	30·116	87·0	87·5	87·5	87·0	87·5	87.5	80·0	80·0	80·0	7·0	7·5	7·5
	21	30·095	30·100	30·100	85·0	86·5	86·5	85·2	86·5	86·5	79·0	79·5	79·0	6·2	7·0	7·5
	22	30·108	30·110	30·092	86·5	86·7	86·0	86·5	86·7	87·0	77·0	77·5	78·0	9·5	9·2	9·6
	23	30·128	30·136	30·127	86·0	86·5	86·5	86·0	86·5	86·5	78·2	78·5	78·3	7·8	8·0	8·2
	24	30·146	30·150	30·140	85·2	85·7	86·0	85·0	85·5	86·0	78·5	78·5	78·0	6·5	7·0	8·0
	25	30·140	30·148	30·126	86·0	86·4	86·2	86·2	86·6	86·2	78·5	79·0	79·0	7·7	7·6	7·2
	26	30·064	30·073	30·078	85·4	86·5	87·3	85·0	86·2	87·2	77·7	78·2	79·0	7·3	8·0	8·2
	27	30·090	30·092	30·090	86·7	87·5	88·0	86.5	87·3	88·0	78·0	78·5	78·5	8·5	8·8	9·5
	28	30·055	30·078	30·076	86·2	86·7	87·3	86·3	87·8	87·5	78·0	78·0	79·0	8·3	9.8	8·5
	29	30·081	30·083	30·056	86·0	86·0	87·0	86.0	86·0	87·0	78·0	78·0	78·7	8·0	8·0	8·7
	30	30·070	30·074	30·060	84·5	85·0	85·5	84·5	85·0	85·5	79·5	79·5	80·0	5·0	5·5	5·5
	31															

Date.		Barometer.			Attached Thermometer of Barometer.			Dry bulb Thermometer.			Wet bulb Thermometer.			Difference of D. & W. Thermometer.		
		$21^h 30^m$	$22^h 00^m$	$22^h 30^m$	$21^h 30^m$	$22^h 00^m$	$22^h 30^m$	$21^h 30^m$	$22^h 00^m$	$22^h 30^m$	$21^h 30^m$	$22^h 00^m$	$22^h 30^m$	$21^h 30^m$	$22^h 00^m$	$22^h 30^m$
MAY, 1816.	1	30·130	30·140	30·144	73°·0	73°·5	73·5	73°·0	73·5	73°·5	70°·0	70·5	70°·5	3·0	3·0	3°·0
	2	30·110	30·116	30·106	85·0	85·5	86·0	85·0	85·5	86·0	79·5	79·7	80·5	5·5	5·8	5·5
	3	30·120	30·126	30·116	86·0	86·0	86.5	86.0	86·0	86·5	79·0	79·0	79·0	7·0	7·0	7·5
	4	30·108	30·098	30·098	87·0	88·0	88·0	87·0	88·0	88·0	81·0	82·0	81·5	6·0	6·0	6·5
	5	30·100	30·120	30·108	87·8	88·0	88·0	87·5	88·0	88·0	81·0	81·5	82·0	6·5	6·5	6·0
	6	30·120	30·118	30·108	87·3	88·0	88·0	87·2	87·7	87·7	80·0	81·0	81·0	7·2	6·7	6·7
	7	30·104	30·108	30·100	88·0	88·0	89·0	88·0	88·0	89·0	79·3	79·5	79·5	8·7	8·5	9·5
	8	30·054	30·070	30·064	88·0	88·5	88·7	88·0	88·5	88.9	81·5	81·5	82·0	6·5	7·0	6·9
	9	30·010	30·012	30·006	88·5	89·0	89·0	88·5	89·0	89·0	82·7	83·0	83·0	5·8	6·0	6·0
	10	30·074	30·076	30·058	89·0	89·0	89·0	89·0	89·0	89·0	83·0	83·0	83·0	6·0	6·0	6·0
	11	30·060	30·070	30·078	88·0	89·0	90·0	88·0	89·0	90·0	82·0	84.0	85·0	6·0	5·0	5·0
	12	30·028	30·046	30·050	89·5	89·7	90·0	89·3	89·5	89·6	82·5	82·7	83·0	6·8	6·8	6·7
	13	30·008	30·044	30.079	88·7	89·2	90·0	88·7	89·2	90·0	81·5	82·4	83·0	7·2	6·8	7·0
	14	30·068	30·070	30·070	89·0	89·5	90·0	89·0	89.5	90·0	81·0	81·3	81·3	8·0	8·2	8·7
	15	30·091	30·072	30·070	88·0	89·0	89·0	88·0	89·0	89·0	81·5	81·5	81·5	6·5	7·5	7·5
	16	30·042	30·048	30·036	89·0	89·0	89·5	89·0	89·0	89·5	81·7	82·0	82·0	7·3	7·0	7·0
	17	29·970	29·992	30·000	90·0	90·0	90·5	90·0	90·0	90·5	82·0	82·0	82·5	8·0	8·0	8.0
	18	30.036	30·040	30·042	90·0	91·0	91·2	90·0	91·2	91·3	81·7	82·2	82·3	8·3	9·0	9·0
	19	30·034	30·040	30·029	90·5	91·0	91·0	90·7	91·5	91·3	82·0	83·0	83·0	8·7	8·5	8·3
	20	30·014	30·032	30·028	91·0	91·0	91·0	91·2	91·2	91·2	82·5	82·5	82·5	8·7	8·7	8·7
	21	30·033	30·030	30·013	91·0	91·0	91·5	91·3	91·3	91·8	83·0	83·0	83·2	8·3	8·3	8·6
	22	30·030	30·042	30·044	90·0	90·0	91·0	90·3	90·3	91·3	82·5	82·5	83·0	7·8	7·8	8·3
	23	30·009	30·019	30·006	91·5	91·5	91·5	91·7	91·7	91·7	84·0	84·0	83·0	7·7	7·7	8·7
	24	29·985	29·992	29·970	93·0	94·0	94·5	92·5	93·9	94·3	82·3	84·0	84·0	10·2	9·9	10·3
	25	[illegible]	29·992	30·000	93·0	93·0	93·0	93·0	93·1	93·0	85·0	85·1	85·0	8.0	8·0	8·0
	26	29·937	29·940	29·924	95·5	96·2	97·5	95·0	95·5	97·0	83·0	82·7	82·5	12·0	12·4	14·5
	27	29·893	29·905	29·916	94·0	96·0	96·0	94·2	95·0	96·2	83·5	84·0	84·6	10·7	11·0	11·5
	28	29·880	29.900	29·880	92·0	93·0	94·0	92·0	93·0	94·0	86·0	86·5	87·0	6·0	6·5	7·0
	29	29·962	29·944	[illegible]	94·0	93·7	95·0	94·5	93·7	95·0	84·0	84.5	84·0	10.5	9·7	10·5
	30	29·892	29·874	29·892	95·0	95·0	96·5	95·0	95·0	96·5	84.0	84·0	86·0	11·0	11·0	10·5
	31	29·882	29·890	29·876	94·0	95·0	95·5	94·0	95·0	95·5	84·5	85·0	86·0	9·0	10·0	9·5

	Date.	Barometer.			Attached Thermometer of Barometer.			Dry bulb Thermometer.			Wet bulb Thermometer.			Difference of D. & W. Thermometer.		
		21h 30m	22h 00m	22h 30m	21h 30m	22h 00m	22h 30m	21h 30m	22h 00m	22h 30m	21h 30m	22h 00m	22h 30m	21h 30m	22h 00m	22h 30m
JUNE, 1846.	1	29·926	29·944	29·930	94°5	95°5	96°0	94°5	95·5	96·0	86·0	86·5	86·0	9°5	9°0	10°0
	2	29·830	29·842	29·840	96·7	96·5	95·5	96·5	96·2	95·5	81·0	83·5	83·0	15·5	12·7	12·5
	3	29·864	29·893	29·887	90·5	92·7	94·5	90·0	92·5	94·0	84·7	82·0	83·0	5·3	10.5	11·0
	4	29·980	29·991	29·958	92·3	93·0	93·0	92·3	93·0	93·0	83·5	83·0	80·7	8·8	10·0	12·3
	5	29·937	29·954	29·945	93·5	93·0	93·0	93·5	93·0	93·0	83·0	83·5	84·0	10·5	10·0	9·0
	6	29·910	29·921	29·920	93·4	93·2	93·0	93·2	93·0	93·0	82·0	82·0	82·0	11·2	11·0	11·0
	7	29·950	29·960	29·936	92·5	94·7	95·7	92·5	94·0	95·0	81·5	81·0	77·0	11·0	13·0	18·0
	8	29·970	29·986	29·970	91·0	92·5	93·0	91·0	92·4	93·0	82·4	81·4	81·2	8·6	11·0	11·8
	9	29·939	29·945	29·937	94·2	94·9	95·7	94·0	94·7	95·5	80·6	81·0	82·5	13·4	13·7	13·0
	10	29·940	29·950	29·932	93·0	93·0	93·0	93·0	93·0	93·0	82·0	82·0	82·0	11·0	11·0	11·0
	11	29·900	29·932	29·903	92·7	93·8	94·0	92.7	93·8	94·0	84·7	82·0	82·3	8.0	11·8	11·7
	12	29·897	29·890	29·890	93·4	93·4	93·5	93·4	93·8	93·5	82·6	84·0	83·0	10·8	9·8	10·5
	13	29·852	29·861	29·838	94·3	94·3	94·3	94·5	94·5	94·5	83·5	83·5	84·5	11·0	11.0	10·0
	14	29·906	29·900	29·900	94·0	94·0	95·0	93·7	94.0	94·2	81·0	81·3	81·3	12·7	12·7	12·4
	15	29·948	29·955	29·950	91·5	93·0	93·6	92·0	93·5	93·7	82·5	82·5	82·5	9·5	11.0	11·2
	16	29·964	29·970	29·960	93·0	94·0	94·7	93·0	94·0	94·7	80·0	81·0	81·0	13·0	13·0	13·7
	17	29·900	29·930	29·908	94·2	95·3	95·3	94·2	95·2	95·5	81·0	81·5	82·0	13·2	13·7	13·5
	18	29·874	29·886	29·846	91·0	92·7	93·5	93·0	94·0	95·0	85·0	85·5	86·0	6·4	7·5	8·0
	19	29·812	29·820	29·796	92·5	95·2	96·0	92·5	94·7	95·8	84.0	84·0	84·0	8·5	10·7	11·8
	20	29·906	29·916	29.910	93·0	94·0	94·5	93·0	94.0	94·3	82·0	82·0	82·0	11·0	12·0	12·3
	21	30·012	30·012	30·000	94·5	94·7	95·2	94·0	94·2	95·0	80·0	80·0	81·0	14·0	14·2	14·0
	22	29·968	29·950	29·928	94·0	94·7	96·5	94·0	94·7	96·5	84·0	84·0	83·0	10·0	10·7	13·5
	23	29·860	29·866	29·950	96·0	97·0	97·3	96·0	97·0	97·3	85·0	85·0	85·0	11·0	12·0	12·3
	24	29·804	29·826	29·825	90·0	92·4	93·0	90·3	92·4	93·0	85·0	84·0	84·0	5·3	8·4	9·0
	25	29·838	29·846	28·844	91·5	92·3	94·5	91·5	92·3	94·5	82·0	81·0	82·0	9.5	11·3	12·5
	26	29·840	29·864	29·837	91·5	92·0	92·3	91·6	92·0	92·3	81·0	82·0	81·3	10·6	10·0	11·0
	27	29·762	29·770	29·766	91·0	92·3	94·7	91·3	92·5	94·3	83·0	84·0	84·0	8·3	8·5	10·3
	28	29·771	29·738	29·738	92·7	93·7	94·7	93·0	94·0	94·7	81·5	82·0	83·0	11·5	12·0	11·7
	29	29·775	29·776	29·787	92·5	93·4	95·0	92·5	93·4	95·0	83·0	83·5	84·0	9·5	9·5	11·0
	30	29·780	29·788	29·786	92·0	92·5	93.0	92·0	92·5	93·0	84·0	84·0	84·0	8·0	8·5	9·0
	31															

	Date.	Barometer.			Attached Thermometer of Barometer.			Dry bulb. Thermometer.			Wet bulb. Thermometer.			Difference of D. & W. Thermometer.		
		21h 30m	22h 00m	22h 30m	21h 30m	22h 00m	22h 30m	21h 30m	22h 00m	22h 30m	21h 30m	22h 00m	22h 30m	21h 30m	22h 00m	22h 30m
JULY, 1846.	1	29·730	29·756	29·724	93°0	93°0	93·5	93°0	93·0	93·5	83°0	83·0	83°0	10°0	10°0	10°6
	2	29·745	29·747	29·726	92·0	92·0	92·0	92·0	92·0	94·0	81·5	81·5	82·0	10·5	10·5	12·0
	3	29·827	29·830	29·800	89·5	90·7	91·0	89·5	90·7	91·0	80·0	80·0	80·0	9·5	10·7	11·0
	4	29·876	29·889	29·880	93·0	93·0	93·0	93·0	93·0	93·0	81·0	82·0	82·0	12·0	11·0	11·0
	5	29·925	29·931	29·910	93·0	93·0	93·0	93·0	93·0	93·0	79·0	79·0	79·0	14·0	14·0	14·0
	6	29·900	29·900	29·882	92·5	92·5	93·0	92·7	92·7	93·0	79·0	80·0	80·0	13·7	12·7	13.0
	7	29·837	29·850	29·815	91·5	93·0	94·0	91·5	93·0	94·0	82·0	82·0	81·5	9·5	11·0	12·5
	8	29·850	29·860	29·853	92·0	92·0	93·0	92·0	92·0	93·0	81·0	81·0	80·0	11·0	11·0	13·0
	9	29·860	29·868	29·852	93·2	93·2	94·0	93·2	93·2	94·0	81·0	81·0	81·0	12·2	12·2	13·0
	10	29·886	29·876	29·868	94·5	94·5	94.5	94·5	94·5	94·5	82·0	82·0	82·0	12·5	12·5	12·5
	11	29·860	29·880	29.850	91·0	91·0	91·5	91·0	91·0	91·5	83·0	82·0	82·0	8·0	9·0	9·5
	12	29·852	29·860	29·850	90·5	91·0	92·0	90·3	91·0	92·0	82·0	82·0	81·5	8·3	9·0	10·5
	13	29·839	29·844	29.844	90·0	90·0	90·7	90·0	90·0	90·7	82·0	80·0	80·0	8·0	10·0	10·7
	14	29·809	29·816	29·829	96·5	97·4	98·3	96·5	97·4	98·3	80·0	81·0	82·5	16·5	16·4	15·8
	15	29·850	29·833	29·768	90·0	90·0	91·0	90·0	90·3	91·3	82·5	84·0	84·0	7·5	6·3	7·3
	16	29·792	29·804	29·800	96·0	96·0	96·0	95·3	95·3	95·5	82·0	82·0	82·5	13·3	13·3	13·0
	17	29·736	29·725	29·725	89·8	90·3	91·0	89·8	90·3	91·3	83·0	83·0	83·0	6·8	7·3	8·3
	18	29·824	29·878	29·870	95·0	98.7	99·7	95·0	98·5	99·5	80·0	82·0	82·0	15·0	16·5	17·3
	19	29.890	26·900	29.882	91·7	92·5	92·8	91·7	92·4	92·5	82·7	82·7	82·5	9·0	9·7	10·0
	20	29·868	29·872	29·854	93·2	93·2	93·0	93·2	93·2	93·0	82·0	82·0	81·2	11·2	11·2	11·8
	21	29·814	29·818	29·810	94·7	95·5	95·0	94·5	95·5	95·0	83·0	84·0	84·5	11·5	11·5	10·5
	22	29·740	29.744	29·724	90.0	90·5	91·0	90·6	91·0	91·5	82·0	83·0	84·0	8·6	8·0	7·5
	23	29·830	29·835	29·860	91·0	91·5	92·0	91·0	91·5	92·0	82·0	82·0	82·0	9·0	9·5	10·0
	24	29·888	29·912	29·934	91·5	92·0	92·3	91·5	92·0	92·3	81·0	81·0	81·5	10·5	11·0	10·8
	25	29·895	29·888	29·850	95·0	96·0	97·7	95·0	96·0	97·7	81·0	81·0	83·0	14·0	15·0	14·7
	26	29·788	29·784	29·780	90·3	91·3	93·0	90·4	91·5	93·0	84·0	84·0	84·0	6·4	7·5	9·0
	27	29·835	29·839	29·800	90·5	91·2	91·5	90·5	91·2	91·5	80·0	80·5	80·0	10·5	10·7	11·5
	28	29·898	29·876	29·874	92·0	92·3	92·5	92·0	92·3	92·5	81·0	80·5	80·5	12·0	11.8	12·0
	29	29·866	29·850	29·856	95·0	95.7	96·0	95·0	95·7	96·0	82·0	81·0	81·0	13·0	14·7	15·0
	30	29·780	29·750	29·750	93·0	92·0	92·0	93·0	92·0	92·0	80·0	80·0	80·0	13·0	12·0	12·0
	31	29·800	29·822	29·800	92·5	95·0	94·0	92·5	95·0	94·0	81.0	81·0	81·0	11·5	14·0	13·0

Date.		Barometer.			Attached Thermometer of Barometer.			Dry bulb Thermometer.			Wet bulb. Thermometer.			Difference of D. & W. Thermometer.		
		$21^{h}\ 30^{m}$	$22^{h}\ 00^{m}$	$22^{h}\ 30^{m}$	$21^{h}\ 30^{m}$	$22^{h}\ 00^{m}$	$22^{h}\ 30^{m}$	$21^{h}\ 30^{m}$	$22^{h}\ 00^{m}$	$22^{h}\ 30^{m}$	$21^{h}\ 30^{m}$	$22^{h}\ 00^{m}$	$22^{h}\ 30^{m}$	$21^{h}\ 30^{m}$	$22^{h}\ 00^{m}$	$22^{h}\ 30^{m}$
AUGUST, 1846.	1	29·832	29·816	29·816	92°·5	94°·0	94°·0	92°·5	94°·0	94°·0	78°·0	78·0	78°·0	14·5	16°·0	16°·0
	2	29·804	29·822	29·808	91·0	92·7	98·0	91·0	92·7	97·0	78·0	78·0	79·0	13·0	14·6	18·0
	3	29·862	29·850	29·860	90·0	89·5	92·0	90·5	90·0	92·5	78·0	78·0	78·0	12.5	12·0	14·5
	4	29·864	29·850	29·834	93·2	90·5	91·0	93·2	90·5	91·0	82·0	80·0	80·0	11·2	10·5	11·0
	5	29 733	29·738	29·690	92·3	92·5	94·5	92·3	92·5	94·5	80·2	80·5	81·0	12·1	12·0	13·5
	6	29·813	29·804	29·793	90·2	91·0	91·5	90·2	91·0	91·5	79·0	78·5	78.0	11·2	12·5	13·5
	7	29·880	29·900	29·888	90·0	91·0	91·4	90·3	91·0	91·4	78·0	78·0	78·0	12·0	13·0	13·4
	8	29·898	29·880	29.871	93·5	93·0	91·7	93·5	93·0	91·7	82·6	82·0	80·0	11·5	11·0	11·7
	9	29·864	29·873	29·868	90·7	93·0	92·3	91·0	93·0	92·3	80·0	81·0	79·0	11·0	12·0	12·6
	10	29·883	29·886	29·890	93·0	93·0	96·2	93·0	93·0	96·2	76·5	77·0	78·0	16·5	16·0	18·2
	11	29·935	29·928	29·918	93·0	94·0	94·0	93·0	94·0	94·0	76·0	76·0	76·0	17·0	18·0	18·0
	12	29·826	29·832	24·818	93·5	93·5	93·5	93·5	93·5	93·5	80·0	80·0	80·0	13·5	13·5	13·5
	13	29·873	29·888	29·870	87·0	88·5	90·0	87·0	88·5	90·0	77·0	77 0	76·5	10·0	11·5	13·5
	14	29·980	29·968	29·946	90·5	93·0	94·0	90·5	93·0	94·0	79·0	79·0	80·0	11·5	14·0	14·0
	15	29·916	29·926	29·915	94·7	97·0	97·5	94·7	96·5	97.0	77·0	78·0	77·0	17·7	18·0	20·0
	16	29·860	29·870	29·868	88·0	89·0	91·7	88 0	89·0	91·7	77·0	77·0	78·0	11·0	12·0	13·7
	17	29·860	29·865	29·861	92·5	95·0	96·0	92·2	94·5	95·5	76·5	79·0	80·0	15·7	15·5	15·5
	18	29·894	29·866	29·858	93·0	92·0	91·5	93·0	92·0	91·5	81·0	82·0	82·0	12·0	10·0	9·5
	19	29·907	29·896	29·879	92·0	93·5	94·3	91·7	93·0	94·0	81·7	82·5	82·0	10·0	10·5	12·0
	20	29·873	29·904	29·900	87·2	88·2	89·7	87·0	88·0	89·7	79·0	79·0	81·0	8·0	9·0	8·7
	21	29·876	29·890	29·890	91·0	91·0	92·0	91·0	91·0	92·0	79·0	79·0	79·0	12·0	12·0	13·0
	22	29·978	29·972	29·964	91·0	91·5	91·5	91·0	91·5	91·5	79.0	79 0	79·0	12·0	12·5	12·5
	23	29.898	29·900	29·880	87·5	87·8	93·2	87·0	87·0	92·7	77·7	78.0	81·0	9·3	9·0	11·7
	24	29·872	29·862	29·862	90·5	92·2	92·7	90·5	92·2	92·7	77·7	79·1	79·5	12·8	13·1	13·2
	25	29·868	29·854	29·846	83·7	88·0	86·5	83·7	88·0	86·5	77·0	81·0	78·0	6·7	7·0	8·5
	26	29·828	29·835	29·826	93·0	94·0	94·5	93·0	94·0	94·5	79·0	79·0	80.0	14·0	15·0	14·5
	27	29.831	29·840	29·826	93·6	93·6	93·6	93.4	93·4	93·4	81·0	80·0	78·0	12·4	13·4	15·4
	28	29·840	29·860	29·854	92·0	92 0	93·2	92·0	92·0	93·2	79·0	79·0	80·0	13·0	13·0	13·2
	29	29·874	29·879	29·870	93·0	93·0	93·0	92·7	92·7	92.7	83·0	83·0	83·0	9·7	9·7	9·7
	30	29·946	29·946	29·946	89·0	89·0	90·0	88·5	89·0	90·0	79·0	79·0	79·0	9·0	10·0	11·0
	31	29·924	29·940	29·930	90·8	90·5	91·0	90·5	90 5	91·0	82·0	80·0	79·0	8·5	10·5	12·0

Date.		Barometer.			Attached Thermometer of Barometer.			Dry bulb Thermometer.			Wet bulb Thermometer.			Difference of D. & W. Thermometer.		
		$21^{h}\ 30^{m}$	$22^{h}\ 00^{m}$	$22^{h}\ 30^{m}$	$21^{h}\ 30^{m}$	$32^{h}\ 00^{m}$	$30^{h}\ 22^{m}$	$21^{h}\ 30^{m}$	$22^{h}\ 00^{m}$	$22^{h}\ 30^{m}$	$21^{h}\ 30^{m}$	$22^{h}\ 00^{m}$	$22^{h}\ 30^{m}$	$21^{h}\ 00^{m}$	$22^{h}\ 00^{m}$	$22^{h}\ 30^{m}$
SEPTEMBER, 1846.	1	29·878	29·878	29·870	95°·0	95°·6	96°·2	94°·7	95°·2	95·6	83°·0	85°·0	85°·0	11°·7	10°·2	10°·6
	2	29·923	29·926	29·904	92·0	92·0	92·5	92·0	92·0	92·5	83·0	79·5	79·0	9·0	12·5	12·5
	3	29·864	29·869	29·869	91·0	91·7	91·7	91·0	91·7	91·7	78·0	78·0	78·0	13·0	13·7	13·7
	4	29·929	29·936	29·958	93·7	94·5	95·0	93·7	94·3	94·7	79·0	79·0	79·0	14·7	15·3	15·7
	5	29·924	29·926	29·918	87·0	88·0	89·0	87·0	88·0	89·0	80·0	80·0	80·0	7·0	8·0	9·0
	6	29·859	29·810	29·806	90 5	90·5	91·0	90·7	90·5	91·0	82·0	82·0	82·0	8·7	8·5	9·0
	7	29·780	29·776	29·784	93·0	95·5	96·7	93·0	95·2	96·5	81·0	81·0	81·0	12 0	14·2	15·0
	8	29·870	29·872	29·868	94·0	94·2	96·0	93·2	93·5	95·2	80·0	80·0	81·0	13·2	13·5	14·2
	9	29·884	29·884	29·900	88·0	88·7	90·0	88·0	88·7	90·0	79·0	80·0	80·0	9·0	8·7	10·0
	10	29·885	29·892	29·890	88·0	89·0	89·0	88·0	89·0	89·0	79·0	79·0	79·0	7·0	10·0	10·0
	11	29·886	29·876	29·864	91·0	91·0	93·0	91·0	91·0	93·0	81·0	81·0	82·0	10·0	10·0	11·0
	12	29·890	29·900	29·888	91·0	92·5	93·0	91.0	92·5	93·0	81·0	82·0	80·0	10·0	10·5	13·0
	13	29·926	29·930	29·928	93·0	93·0	94·5	93·0	93·0	94 5	80·0	79·0	81·0	13 0	14·0	13·5
	14	29·885	29·886	29·883	90·3	92·0	93·2	90·3	91·8	93·0	81·5	81·4	82·0	8.8	10·4	11·0
	15	29·888	29·892	29·894	91·3	92·5	92·0	91·3	92.0	91·7	78·0	78·7	78·3	13·3	13·3	13·7
	16	29·880	29·876	29·854	94·0	94·5	95·6	93·7	94·0	95·2	78·0	78·0	80·0	15·7	16·0	15.2
	17	29·913	29·923	29·910	93·0	93·0	94·0	93·0	93·0	94·0	82·0	82·0	82·0	11·0	11·0	12·0
	18	29·944	29·938	29·936	94·2	95·2	95 6	94·0	95·0	95·4	82·0	83.0	84·0	12·0	12·0	11·4
	19	29·924	29·933	29·924	96·2	96·8	97·2	96·0	96·5	96·8	84·0	83·0	82·7	12 0	13·5	14·1
	20	29·874	29·878	29·862	93·5	94·8	96·2	93·2	94·5	95·5	82·5	82·0	81·5	10·7	12·5	14·0
	21	29·974	29·964	29·954	96·7	95·7	96·4	95·0	95·0	95·7	82·0	82 0	80·0	13·0	13·0	15.7
	22	29·958	29·952	29·944	95·6	96.2	96·7	95·0	95·7	96·0	80·0	80·0	80·0	15·0	15·7	16·0
	23	29·908	29·906	29·900	94·3	94·3	95·4	93·2	93·6	94·7	79·0	80.5	79·0	14·2	13·1	15·7
	24	29·936	29·963	29·930	91·4	92·0	92·6	91·4	92·0	92·5	80·5	80·5	81·0	10·9	11·5	11·5
	25	29·984	29·974	29·970	92.7	93·0	93·0	92·7	93·0	93·0	82·0	82·0	82·0	10·7	11·0	11·0
	26	29·974	29·980	29·970	91·3	91·6	92·6	91·3	91·6	92·4	82·0	82·0	79·5	9·3	9·6	12·9
	27	29·966	29·964	29·962	90·0	90·5	93·0	90·0	90·5	92·0	81·0	81·7	81·0	9·0	8·8	11·0
	28	29·980	29·974	29·970	91·7	92·7	93·0	91·0	92·0	93·0	81·0	81·0	81·0	10·0	11·0	12·0
	29	30·034	30·032	29·992	91·5	91·0	92·0	92 2	91·0	92·0	81·0	81·0	81·0	10·2	10·0	11·0
	30	30·000	30·058	30·050	89·5	90·2	91·0	89·5	90·2	91·0	79·0	80·0	80·0	10·5	10·2	11·0
	31															

OCTOBER, 1846.

Date.	Barometer.			Attached Thermometer of Barometer.			Dry bulb Thermometer.			Wet bulb Thermometer.			Difference of D. & W. Thermometer.		
	21^{h} 30^{m}	22^{h} 00^{m}	22^{h} 30^{m}	21^{h} 30^{m}	22^{h} 00^{m}	22^{h} 30^{m}	21^{h} 30^{m}	22^{h} 00^{m}	22^{h} 30^{m}	21^{h} 30^{m}	22^{h} 00^{m}	22^{h} 30^{m}	21^{h} 30^{m}	22^{h} 00^{m}	22^{h} 30^{m}
1	30·046	30·066	30·047	87°·0	87°·8	88°·5	87°·6	87°·8	88°·5	78°·8	79°·0	79°·0	8°·8	8°·8	9°·5
2	30·052	30·052	30·052	86·5	86·9	87·5	86·3	86·5	87 2	77·1	77·0	77·5	9·2	9·5	9·7
3	30·088	30·077	30·076	86·8	87·2	87·5	86·5	87·0	87·2	76·8	77·0	77·0	9.7	10·0	10·2
4	30·110	30·121	30·109	86·2	86·7	87·0	86·0	86·5	87·0	76·7	77·0	77·0	9·3	9·5	10·0
5	30·168	30·150	30·156	86·2	86·3	86·7	86·0	86·0	86.5	75·0	76·0	76·0	11·0	10·0	10·5
6	30·088	30·078	20·068	86·0	86·4	86·4	85·5	86·0	86·0	77·0	77·0	77·0	8·5	9·0	9·0
7	30·092	30.082	30·060	85·2	86 0	86·7	85·0	85·7	86·5	75·0	75·5	77·0	10·0	10·2	9·5
8	30·132	30·136	30·132	86·0	86·8	86·0	85·6	86·5	86·5	76·5	77·0	77·0	9·1	9·5	9·5
9	30·140	30·144	30·144	85·2	85·5	86·0	85·0	85·5	86·0	77·0	77·0	77·0	8·0	7·5	9·0
10	30·140	30·144	30·144	85·2	85·5	85·0	85·0	85·5	86 0	77·0	77·0	77·0	8·0	7·5	9·0
11	30·100	30·120	30·100	87·0	87·0	88·0	87·0	87·0	88·0	77·5	77·5	78·0	9·5	9·5	10·0
12	30·130	30·132	30·100	87·0	87·6	88·0	87·0	87·6	88·0	78·0	78·0	78·0	9·0	9.0	10·0
13	30 128	30·130	30·096	85·8	86·5	86·5	85·7	86·5	86·5	79·0	79·0	79·0	6·7	7·5	7·5
14	30·150	30·160	30·154	86·0	86·5	87·0	86·0	86·5	87·0	79·0	79·0	79·0	7·0	7·5	8·0
15	30·024	30·028	30·008	93·0	94·0	94·2	92·5	93·5	93·8	77·0	77·0	77·0	5·5	6·5	6·8
16	30·074	30·058	30·048	85·0	86·5	86·8	84·8	86·4	86·6	78·0	78·0	78·0	6·0	8·4	8·6
17	30·100	30·082	30·094	85·5	86·0	86·3	85·2	86·0	86·2	77·0	77·0	77·0	8·0	9·0	7·2
18	30·160	30·148	30·133	84·5	85·5	86·0	84·5	85·5	85·9	74 0	74·5	74.5	10·5	11·0	11·4
19	30.150	30·148	30·148	84·5	85·0	85·3	83·5	84·0	84·2	75·0	75·0	75·0	8·5	9·0	9·2
20	30·118	30·128	30·104	86·5	86·5	87·5	86·5	86·5	87·5	75·5	75·5	78·0	11·0	11·0	9·5
21	30·100	30·102	30·118	87·0	87·0	88·5	87·0	87·0	88·5	78·0	78·0	78·0	9·0	9·0	10·5
22	30·094	30·062	30·050	89 2	90·0	92·0	89·0	90·1	92·0	71·1	71·5	73·0	17·9	18·6	19·0
23	30·116	30·090	30·094	83·0	83·2	82·0	83·0	83·2	92·0	70·0	69·0	70·0	13·2	14·2	22·0
24	30·068	30·074	30·080	85·0	86·0	86·5	85·0	86·0	86·5	75·0	75·0	75·0	10·0	11·0	11·5
25	30·090	30·068	30·856	86·0	86·5	87·0	86·0	86·5	87·0	78·0	79·0	79·0	8·0	7·5	8·0
26	30·086	30·050	30·092	86·0	87·0	87·0	86·0	87·0	87·0	77·0	77·0	77·0	9·0	10·0	10·0
27	30·104	30·092	30·090	86·5	87·2	87·0	86·5	87·0	87·0	77·0	77·0	76·5	9·5	10·0	10·5
28	30·074	30·080	30·084	85·0	85·0	85·0	85·0	85·0	85·0	77·0	75·0	75·0	8·0	10·0	10·0
29	30·100	30·100	30·064	85·0	85·5	85 8	85·0	85·5	85·8	75·0	76·0	76·0	10·0	9·5	9·8
30	30·104	30·108	30·112	84·2	84·8	85·0	84·2	84·8	85·0	76·0	76·0	76·0	8·2	8·8	9·0
31	30·118	30·128	30·112	83·5	85·2	85·0	83·5	85·2	85·0	76·0	75·0	75·0	7·5	10·2	10·0

NOVEMBER, 1846.

Date.	Barometer.			Attached Thermometer of Barometer.			Dry bulb Thermometer.			Wet bulb Thermometer.			Difference of D. & W. Thermometer.		
	21^{h} 30^{m}	22^{h} 00^{m}	22^{h} 30^{m}	21^{h} 30^{m}	22^{h} 00^{m}	22^{h} 30^{m}	21^{h} 30^{m}	22^{h} 00^{m}	22^{h} 30^{m}	21^{h} 00^{m}	22^{h} 00^{m}	22^{h} 30^{m}	21^{h} 30^{m}	32^{h} 00^{m}	22^{h} 00^{m}
1	30·150	30·160	30·146	84°·5	84°·5	85°·0	84°·5	84°·5	85°·0	75°·0	75°·0	75°·0	9°·5	9°·5	10°·0
2	30·140	30·160	30·148	85·0	85·0	85·0	85·0	85·0	85·0	74·0	74·0	74·0	11·0	11·0	11·0
3	30·158	30·128	30·128	84·5	84·8	85·0	84·5	84·8	85·0	73·0	73·0	73·8	11·5	11·8	11·2
4	30·106	30·094	30·120	87·0	87 0	87·5	87·0	87·0	87·5	74·0	74·0	74·0	13·0	13·0	13·5
5	30·150	30·136	30·144	85·0	85·2	86·2	85·0	85·2	86.2	75·0	74·0	74·0	10·0	11·2	12·2
6	30·128	30·146	30·150	83·0	84·8	85·5	83·0	84·8	85.5	77.0	78·0	77·0	6·0	6·8	8·5
7	30·126	30·136	30·100	85·0	85·0	86·3	85·0	85·0	86·5	75·0	75·0	75·0	10·0	10·0	11·5
8	30·178	30·178	30·148	85·0	85·0	85·0	85·0	85·0	85·0	76.0	76·0	76·0	9·0	9·0	9·0
9	30·187	30·178	30·158	82·5	82·5	83·8	82·2	82·2	83·5	78·0	77·5	78·0	4·2	4·7	5·5
10	30·188	30·176	30·168	83·5	84·5	84·5	83·0	84·5	84·5	76·0	76·0	76·0	7·0	8·5	8·5
11	30·124	30·128	30·146	84·5	84·5	84·5	84.5	84·5	84·5	79·0	78·5	78·5	5·5	6·0	6·0
12	30·200	30·200	30·174	83·5	84·0	84·5	84·5	84·0	84·5	74.0	76·0	76·0	10·5	8·0	8·5
13	30·200	30 219	30·194	83·0	83·2	83·2	83·0	83.2	83·2	77·0	77·0	77·0	6·0	6·2	6·2
14	30·238	30·240	30·210	84·0	84·5	85·0	84·0	84·5	85·0	75·0	75·0	75·8	9·0	9·5	10.0
15	30·174	30·178	30·160	84·0	84·0	84·0	84.0	84·0	84·0	78·0	78·0	77·0	6·0	6·0	7·0
16	30·146	30·134	30·130	83·2	83·5	83·8	83·0	83 3	83·5	75·5	76·0	76·0	7·5	7·3	7·5
17	30·136	30·144	30·132	82·0	83·0	84·0	82·0	83·0	84·0	75·5	76·0	76·0	6·5	7·0	8·0
18	30·182	30·180	30·168	83·5	83·0	84·5	83·5	83·0	84·5	77·0	77·5	78·0	6·5	5·5	6·5
19	30·188	30·180	30·162	83·2	83·4	84·0	83·2	83·4	84·0	78·0	78·0	78·0	5·2	5·4	6·0
20	30·186	30·178	30·178	82·0	82·0	82·5	82·0	82·0	82·5	75 0	75·5	75·5	7·0	6·5	7·0
21	30·180	30·148	30·148	81·0	81·7	82·0	81·0	81·7	82·0	75·0	75·0	74·5	6·0	6·7	7·5
22	30·204	30·208	30·194	81·5	82·0	82·2	81·5	82·0	82·2	75·0	75·0	75·0	6·5	7·0	7·2
23	30·150	30·164	30·143	81·5	81·5	82·5	81·5	82·0	82·5	75·0	75·0	75·0	6·5	7·0	7·5
24					Removing to Seerah.										
25	30·100	30·110	30·094	82·5	82·5	83·3	82·5	82·5	83·0	74·5	74·5	74·5	8·0	8·5	9·5
26	30·088	30·094	30.084	82·5	83·3	83·5	82·5	83·2	83·4	75·0	75·5	75.5	7·5	7·7	7·9
27	30·130	30·152	30·130	82·0	82·5	82·8	82·0	82·5	82·8	75·0	75 0	74·5	7·0	7·5	8·3
28	30·170	30·192	30·184	83·0	83·0	83.5	83·0	83·0	83·5	75·0	75·0	75·0	8·0	8·0	8·5
29	30·164	30·192	30·148	84·2	85·0	85·3	84·0	84·8	85·0	76·0	76·5	75·0	8·0	8·3	10·0
30	30·100	30·095	30·088	81·0	84·0	85·2	80.5	83·5	84·8	74·5	76·0	76.0	6·0	7·5	8·8
31															

Date.		Barometer.			Attached Thermomerer of Barometer.			Dry bulb Thermometer			Wet bulb Thermometer.			Difference of D & W Thermometer.		
		$21^h\ 30^m$	$22^h\ 00^m$	$22^h\ 30^m$	$21^h\ 30^m$	$22^h\ 00^m$	$22^h\ 30^m$	$21^h\ 30^m$	$22^h\ 00^m$	$22^h\ 30^m$	$21^h\ 30^m$	$22^h\ 00^m$	$22^h\ 30^m$	$21^h\ 30^m$	$22^h\ 00^m$	$22^h\ 30^m$
DECEMBER, 1846.	1	30·100	30·104	30·098	83·0	83·2	83·5	83·5	83·2	83·5	74·0	74·0	74·0	9·0	9·2	9·5
	2	30·128	30·160	30·150	83·0	83·5	83·8	83·0	83·5	83·8	74·0	74·0	74·0	9·0	9·5	9·8
	3	30·132	30·120	30·076	80·0	81·0	82·0	80·0	81·0	82·0	75·0	75·0	75·2	5·0	6·0	6·8
	4	30·078	30·060	30·050	82·0	82·0	82·0	82·0	82·0	82·0	75·0	75·0	75·0	7·0	7·0	7·0
	5	30·090	30·100	30·095	79 0	79·5	79·5	79·0	79·5	79·5	74·0	74·0	74·0	5·0	5·5	5·5
	6	30·132	30·112	30·112	78·5	79·0	79·5	78·5	79·0	79·5	74·0	72·5	71·5	4·5	6·5	6·0
	7	30·132	30·148	30·140	79·5	81·0	82·0	78·4	80·0	81·0	71·2	71·5	71·8	7·2	8·5	8·2
	8	30·148	30·135	30·130	79·8	80·6	81·0	79·0	79·7	80·0	72·0	71·5	71·5	7·0	8·2	8·5
	9	30·126	30·108	30·096	78·8	80·2	81·0	79·0	80·6	81·4	73·2	72·6	72·0	5·8	8·0	8·4
	10	30·072	30·072	30·050	78·5	79·0	79·5	78·0	78·5	79·0	70·5	70·5	70·0	7·5	8·0	8·0
	11	30·071	30·050	30·078	79·0	79·5	80·5	78·2	78·5	80·0	71·0	71·2	71·5	7·2	7·3	7·5
	12	30·070	30·052	30·080	81·0	81·0	81·0	80·5	80·5	80·5	72·0	72·0	72·0	7·5	7·5	7·5
	13	30·032	30·048	30·030	82.0	82·0	81·6	81·2	81·2	81·0	73·0	73·0	73·0	8·2	8·2	8·0
	14	30·000	30·031	30·013	79·5	81·5	82·0	78·8	80·5	81·0	73·0	73·5	73·0	5 8	7 5	8·0
	15	30·038	30·000	30·000	77·0	78·0	79·5	76·0	77·0	78·4	69·0	69·0	69·5	7 0	8·0	8·9
	16	30·048	30·062	30·004	78·0	79·0	79·5	77·0	78·4	79·0	71.0	71·5	71·6	7·0	6·9	7·4
	17	30·008	29·993	29·993	78·0	78·2	79·4	77·5	77·8	79·0	71·5	71·5	71·5	6·0	6·3	7 5
	18	30·048	30·042	30·024	78·8	79·2	79·5	78·0	78·4	78·8	72·5	72·5	72 5	5·5	5 8	6·3
	19	30·038	30·048	30·030	79·0	78·2	78·0	78·4	78·0	77·5	71·5	72·0	71·0	6·9	6·0	7·5
	20	30·064	30·061	30·064	79·0	79·0	79·0	78·5	78·5	78·5	70·5	70·5	70·5	8·0	8·0	8·0
	21	30·025	30·000	29·992	78·5	79·0	79·5	78·0	78·5	78·8	73·0	73.0	73·0	5·0	5·5	5·8
	22	30·004	30·004	29·984	80·0	80·0	79·5	80·0	80·0	79·5	73·0	74·0	73·5	7 0	6·0	6·0
	23	30·055	30·057	30·032	81·0	81·8	82·0	81·0	81·5	81·7	76·0	76·0	75·0	5·0	5·5	6·7
	24	30·062	30·070	30·064	81·0	81·0	81·4	81·0	81·0	81·4	76·0	76·0	76·0	5·0	5·0	5·4
	25															
	26	30·040	30·040	30·036	80·0	80·5	81.0	80·0	80·5	81·0	73·0	73·0	73·0	7·0	7·5	8 0
	27	30·034	30·050	30·068	78·5	78·4	78·4	78·0	78·0	78·0	70·0	70·0	68·0	8·0	8·0	10·0
	28	30·094	30·070	30·028	78·4	78·5	79·0	77·8	78·0	78·0	66·0	66·5	66·0	11·8	11·5	12·0
	29	30·118	30·126	30·110	78·0	78·4	78·5	78·0	78.4	78·5	66·5	66·0	66·0	11·5	12·4	12·5
	30	30·100	30·110	30·100	76·2	78·4	79·0	76·0	78.0	78.5	64·8	65·0	64·0	11·5	13·0	14·5
	31	30·082	30·088	30·070	77·0	78·0	78·0	77·0	78·0	78·0	68·0	68·0	68·0	9·0	10·0	10·0

H. M. S. ° ′ ″
East Longitude. 3·00·42. *North Latitude.* 12·44·00.

	Hour.	Barometer.		Dry and Wet bulb.			Moisture.		Barometer.		Direction of the Wind.	Clouds.
		Scale Reading.	Attached Ther.	Dry.	Wet.	Difference.	Pressure.	Relative.	Corrected for Expn. of Mercury.	Corrected for Moisture.		
24th MARCH, 1846.	Noon	30·100	85·0	85·0	76·5	8·5	0·803	0·90	29·947	29·297	E. by S.	* Hr. Stratus.; Z. Cirrus.
	1	30·033	85·0	85·0	76·2	8·8	0·791	0·89	29·881	29·242	.. .. ..	3/8 Cirro Stratus.
	2	30·010	84·5	84·5	76·5	8·0	0·808	0·90	29 859	29·202	.. .. ..	3/8 Ditto.
	3	30·010	84·5	84·5	76 5	8·0	0·808	0·90	29·859	29·202	.. .. ..	Hr. Cirro Stratus.
	4	30.024	83·0	83·5	76·5	7·0	0·819	0·91	29·877	29·205	.. .. ..	1/8 Cirro Cumulus.
	5	30·028	81·7	81·7	75·2	6·5	0·788	0·92	29·885	29·230	.. .. ..	1/8 Ditto.
	6	30·050	80·7	80·7	75·0	5·7	0·792	0·93	29·910	29·258	.. .. ..	2/8 Cirro Stratus.
	7	30·068	80·6	80·6	75·6	5.0	0·815	0·93	29·925	29·243	.. .. ..	3/8 Stratus.
	8	30·070	80·5	80·5	76·7	3·8	0·860	0·95	29·934	29·210	.. .. ..	3/8 Stratus, Lightning in N
	9	30·083	80·5	80·5	76·3	4·2	0·844	0·95	29·946	29·242	.. .. ..	Clear, Lightning in N.
	10	30·094	80·5	80·5	76·0	4·5	0·833	0·95	29·954	29·251	.. .. ..	Cirrus in S. W.
	11	30·096	80·3	80·3	76·0	4·3	0·835	0·95	29·957	29·261	.. .. ..	Clear — Strong wind.
	12	30·091	83·3	80·3	76·0	4·3	0·835	0·95	29·952	29·256	.. .. ..	2/8 Cirro Stratus.
	13	30·086	80·2	80·2	75·4	4·8	0·802	0·94	29·946	29·284	.. .. ..	4/8 Cumulo Stratus.
	14	30·046	80·0	80·0	75·0	5·0	0·799	0.93	29·901	29·247	.. .. ..	5/8 Cumulo Stratus.
	15	30·037	80·0	80·0	75·0	5·0	0·799	0.93	29·898	29·238	.. .. ..	3/8 Cumulo Stratus.
	16	30·030	80·0	80·0	75.0	5·0	0·799	0.93	29·891	29·231	.. .. ..	4/8 Stratus.
	17	30·062	79·5	79·5	75·0	4·5	0·805	0·94	29·922	29·257	.. .. ..	6/8 Cumulo Stratus.
	18	30·100	79·5	79·5	75·0	4·5	0·805	0·94	29·962	29·210	.. .. ..	6/8 Cumulus.
	19	30·128	80·7	80·5	76·5	4·5	0·833	0·95	29·989	29·285	.. .. ..	7/8 Cirro Cumulus.
	20	30·137	82·0	82·0	77·0	5·0	0·855	0·94	29·992	29.272	.. .. ..	Cumulo Stratus.
	21	30·145	83·5	83·5	78·0	5·5	0·879	0·94	29·995	29·266	.. .. ..	3/8 Cirro Cumulus.
	22	30·182	84 0	84·0	78·0	6·0	0.873	0·92	30·031	29·309	.. .. ..	2/8 Ditto.
	23	30·164	84·5	84·7	77·5	7·2	0·872	0·91	30·012	29·290	.. .. ..	2/8 Ditto.
25th MARCH, 1846.	Noon.	30·113	85·0	85·0	76·5	8·5	0·803	0·89	29·960	29·157	.. .. ..	† Hr. Cirrus with strong wind.
	1	30·100	85·0	85·0	77·0	8·0	0·822	0·90	29·957	29·135	.. .. ..	Cirrus in the N E. Hr.
	2	30·084	85·0	85·0	78·0	7·0	0·862	0·91	29·932	29·070	.. .. ..	Hr. Stratus, 3/8 Cirrus.
	3	30·054	84·3	84·2	77·5	6·7	0·851	0·92	29·904	29·053	.. .. ..	Hr. Stratus.
	4	30·050	83·5	83·2	77·0	6·2	0·842	0·92	29·901	29·059	.. .. ..	2/8 Cirro Stratus ; 5/8 Stratus.
	5	30·060	82·3	82·3	76·0	6·3	0·816	0·92	29·915	29·099	.. .. ..	3/8 Cirro Stratus.
	6	30·084	81·5	81·4	75·0	6·4	0·784	0·92	29·942	29·158	.. .. ..	7/8 Stratus.
	7	30.094	81·3	81·3	76·0	5·3	0·824	0·93	29·952	29·128	.. .. ..	3/8 Ditto.
	8	30·134	81·2	81·2	76·0	5 2	0·797	0·93	29·992	29·195	.. .. ..	2/8 Stratus—Lightning in N.
	9	30·144	81·0	81·0	76·0	5·0	0·827	0·93	30·003	29·176	.. .. ..	Clear.
	10	30·166	81·0	80,7	77·0	3·7	0·870	0·96	30·024	29·154	.. .. ..	Ditto.
	11	30·162	80·5	80·5	77·0	3·5	0·872	0.96	30·022	29·150	.. .. ..	3/8 Cirro Stratus.
	12	30·142	80·5	80·5	77·0	3·5	0·872	0·96	30·001	29·129	.. .. ..	5/8 Stratus.
	13	30·120	80·3	80·3	76·5	3·7	0·851	0·95	29·980	29·124	.. .. ..	3/8 Cirro Stratus.
	14	30·088	80·0	80·0	76·0	4·0	0·838	0·95	29·949	29·111	.. .. ..	2/8 Cirrus.
	15	30·060	80·0	80·0	76·0	4·0	0·838	0·95	29·921	29·083	.. .. ..	4/8 Stratus.
	16	30·050	79·7	79·7	75·6	4·1	0·825	0·94	29·912	29·087	.. .. ..	3/8 Cirro Stratus.
	17	30·100	79·5	79·5	75·0	4·5	0·805	0·94	29·962	29·157	.. .. ..	4/8 Ditto.
	18	30·150	79 5	79·5	75·0	4·5	0.805	0·94	30·012	29·207	.. .. ..	Hr. Cumulo Stratus.
	19	30·162	81·0	81·0	75·0	5·0	0·827	0·93	30·021	29·194	.. .. ..	3/8 Cirro Cumulus.
	20	30·190	82·0	82·0	76 0	6·0	0·816	0·92	30·045	29·229	.. .. ..	3/8 Cirro Stratus.
	21	30·221	83·5	83·5	76·5	7·0	0·819	0·91	30·071	29·252	.. .. ..	Cumulus in N. E ; 2/8 Cirrus.
	22	30·224	84·0	84·0	77·5	6·5	0·856	0·92	30·074	29·218	.. .. ..	Cirrus in E.; Cumulus in W.
	23	30·200	84·5	84·5	77·0	7·5	0·825	0·91	30·048	29·223	.. .. ..	Cirrus in South.
8th APRIL, 1846.	Noon·	30·010	87·0	87·0	80·0	7·0	0·924	0·92	29·852	29·086	E.	Clear.
	1	30·016	86·5	86·5	80·0	6·5	0·930	0·93	29·859	29·086	.. .. ..	Hr. Cumulus, Z. Clear.
	2	29.980	87·0	87·0	79·6	7·4	0·896	0·93	29·824	29·084	.. .. ..	Hr, Cumulus.
	3	29·970	86·0	86·0	79·5	6·5	0·915	0·93	29·816	29·055	.. .. ..	Ditto.
	4	29·962	87·5	87·5	78·5	9·0	0·834	0·89	29·806	29·128	.. .. ..	3/8 Cirro Stratus.
	5	29·980	86·0	86·0	79·0	7·0	0·893	0·91	29·824	29·087	.. .. ..	3/8 Cirro Cumulus.
	6	29·990	84·0	84·0	78·5	5·5	0·894	0·94	29·842	29·096	. .. ..	7/8 Cirro Stratus.
	7	30·004	83·0	83·2	78·0	5.2	0·882	0·94	29·857	29·122	.. .. ..	7/8 Ditto.
	8	30·010	82·5	82·5	78·0	4·5	0·879	0·95	29·864	29·131	.. .. ..	8/8 Ditto.
	9	30·026	82·5	82·5	78·0	4·5	0·879	0·95	29·881	29·147	.. .. ..	7/8 Ditto,
	10	30·040	82·4	82·4	77·8	4·6	0·883	0·95	29·893	29·157	.. .. ..	8/9 Ditto.
	11	30·040	82.2	82·2	77·8	4·4	0·885	0·95	29·893	29·155	.. .. ..	6/8 Ditto.
	12	30·032	82·2	82·2	77·5	4·7	0·873	0·94	29·887	29·159	.. .. ..	6/8 Stratus.
	13	30.026	82·2	82·2	77·1	5·1	0·856	0·93	29·881	29·170	.. .. ..	7/8 Ditto.

* Very high wind all day and night.

† Wind very strong during these Observations.

East Longitude. H. M. S. 3·00·42. *North Latitude.* ° ′ ″ 12·44·00.

	Hour.	Barometer.		Dry and Wet bulb.			Moisture.		Barometer.		Direction of the Wind.	Clouds.
		Scale Reading.	Attached Ther.	Dry.	Wet.	Difference.	Pressure.	Relative.	Corrected for Expn. of Mercury.	Corrected for Moisture.		
8th APRIL, 1846.	14	30·000	82·2	82·0	77·5	4·5	0.864	0·93	29·855	29·136	E.	2/8 Cumulo Stratus, 4/8 Stratus
	15	29·984	82·0	82·0	77·5	4·5	0.864	0·95	29·841	29·120	.. .. ..	Cirro Stratus.
	16	29·972	82·0	82·5	77·5	4·5	0.864	0·93	29·829	29·103	.. .. ..	B. Stratus.
	17	29·994	81·5	81·5	77·0	4·5	0.861	0·95	29·853	29·133	.. .. ..	Hr. Stratus , Z. Cirro Stratus.
	18	30·015	81·5	81·5	77·0	4·5	0.861	0·95	29·872	29·154	.. .. ..	5/8 Cirro Stratus.
	19	30·032	82·0	82·0	78·0	4·0	0.895	0·95	29·888	29·137	.. .. ..	6/8 Ditto.
	20	30·050	85·0	85·0	79·0	6·0	0.904	0·93	29·898	29·146	.. .. ..	6/8 Ditto.
	21	30·074	86·0	86·2	79·0	7·2	0.891	0·92	29·919	29·183	.. .. ..	2/8 Ditto.
	22	30·090	87·0	87·0	80·0	7·0	0.924	0·92	29·933	29·166	.. .. ..	2/8 Cumulo Stratus
	23	30·030	87·0	87·0	80·0	7·0	0,924	0·92	29·873	29·106	.. .. ..	3/8 Cirrus.
13th APRIL, 1846.	Noon.	30·068	88·0	88·0	80·5	7·5	0·935	0·92	29·908	29·123	E. by S.	8/8 Cirro Stratus.
	1	30·032	87·7	87·7	80·7	7·0	0·946	0·92	29·873	29·086	.. .. ..	5/8 Cirro Cumulus.
	2	30·004	86·5	86·5	80·5	6·0	0·951	0·93	29·847	29·053	.. .. ..	Hr. Cirro Stratus ; Z. Cumulus.
	3	29.984	87·2	87·2	80·5	6·7	0·944	0·93	29·825	29·040	.. .. ..	3/8 Cirro Cumulus.
	4	29·976	87·0	87·0	80·0	7·0	0·924	0·93	29·820	29·082	.. .. ..	Hr. Cirro Stratus. & Cumulo Stratu
	5	29·941	85·5	85·5	80·0	5·5	0·941	0·94	29·789	29·000	.. .. ..	3/8 Cirro Stratus.
	6	29·998	84·0	84·0	80·0	4·0	0·926	0·95	29·850	29·041	.. .. ..	Hr. Cirro Stratus.
	7	30·010	83·5	83·5	79·5	4·0	0·941	0.95	29·861	29·069	.. .. ..	4/8 Cirro Stratus.
	8	30·015	83·5	83·5	79·5	4·0	0.941	0·95	29·866	29·074	.. .. ..	4/8 Ditto.
	9	30·020	83·2	83·2	79·2	4·0	0·941	0·95	29·872	29·079	.. .. ..	4/8 Ditto.
	10	30·054	83·0	83·0	79·5	3·5	0·947	0·96	29·907	29·107	.. .. ..	Hr. Cirrus.
	11	30·038	83·0	83·0	79·4	3·6	0·943	0·96	29·891	29·095	.. .. ..	1/8 Cirrus.
	12	30·030	83·0	83·0	79·2	3·8	0·935	0·96	29·883	29·095	.. .. ..	1/8 Ditto.
	13	30·010	82·5	82·5	79·2	3·3	0·940	0·96	29·864	29·070	.. .. ..	2/8 Cirro Stratus.
	14	30·000	82·5	82·5	79·2	3·3	0·940	0·96	29·854	29·060	.. .. ..	3/8 Ditto.
	15	29·992	82·2	82·3	79·0	3·3	0·934	0·96	29·848	29·058	.. .. ..	4/8 Ditto.
	16	29·980	82.2	82·3	79·0	3·3	0·934	0·96	29·836	29·046	.. .. ..	3/8 Stratus.
	17	29·991	82·0	82·0	79·0	3·0	0·937	0·96	29·847	29·054	.. .. ..	4/8 Ditto.
	18	30·019	81·5	81·5	79·0	2·5	0·943	0·97	29·866	29·066	.. .. ..	6/8 Ditto.
	19	30·044	84·5	84·5	80·0	4·5	0·952	0·95	29·898	29·082	.. .. ..	7/8 Ditto.
	20	30·058	85·0	85·0	80·0	5·0	0·946	0·94	29·905	29·112	.. .. ..	6/8 Ditto.
	21	30·070	86·0	86·0	80·5	5·5	0·947	0·94	29·914	29·123	.. .. ..	6/8 Ditto.
	22	30·086	87·0	87·0	80·0	6·0	0·935	0·93	29·927	29·151	.. .. ..	7/8 Ditto.
	23	30·066	88·2	88·2	81·2	7·0	0·962	0·93	29·905	29·104	.. .. ..	5/8 Ditto.
17th APRIL, 1846.	Noon	30·054	87·5	87·5	79·7	7·8	0·913	0·91	29·895	29·141	NE.	3/8 Cirro Cumulus.
	1	30·024	88·5	88·0	80·0	8·0	0·913	0·91	29·865	29·111	.. .. ..	Hr. Stratus, Z. Cirrus
	2	30·000	88·0	88·0	80·0	8·0	0·913	0·91	29·841	29·087	.. .. ..	2/8 Cirro Stratus.
	3	29·960	87·0	87·0	79·0	8·0	0·882	0·90	29·800	29·078	.. .. ..	Hr. Cirrus.
	4	29·924	85·7	85·7	78·4	7·3	0·871	0·91	29·770	29·043	.. .. ..	Hr. Cirro Stratus
	5	29·948	85·0	85·0	78·0	7·0	0·862	0·91	29·796	29·086	.. .. ..	3/8 Ditto.
	6	29·948	84·6	84·6	78·0	6·6	0·860	0·92	29·791	29·088	.. .. ..	6/8 Ditto.
	7	29·973	83·7	83·7	77·5	6·2	0·867	0·92	29·824	29·106	.. .. ..	3/8 Stratus, Lightning in N
	8	29·996	83·5	83·5	78·0	5·5	0·879	0·93	29·847	29·117	.. .. ..	1/8 Cirro Stratus.
	9	30·000	83·0	83·0	78·0	5·0	0·884	0·94	29·855	29·116	.. .. ..	2/8 Ditto.
	10	30·020	83·0	83·0	78·0	5·0	0·884	0·94	29·873	29·136	.. .. ..	Clear.
	11	30·010	82·6	82·6	76·5	6·1	0·840	0·94	29·864	29·170	.. .. ..	1/8 Cirro Stratus.
	12	30·008	82·6	82·6	77·0	5·6	0·849	0·92	29·862	29·159	.. .. ..	Hr. Cirrus.
	13	29·992	82·5	82·5	77·0	5·5	0·850	0·93	29·847	29·142	.. .. ..	Clear.
	14	29·986	82·3	82·3	77·0	5·3	0·852	0·94	29·841	29·134	.. .. ..	Ditto.
	15	29·972	82·2	82·2	77·0	5·2	0.853	0·94	29·827	29·119	.. .. ..	Hr. Cirro Stratus.
	16	29·970	82·0	82·0	77·0	5·0	0·855	0·94	29·826	29·115	.. .. ..	2/8 Stratus
	17	29·989	82·0	82·0	77·0	5·0	0·855	0·94	29·845	29·124	.. .. ..	2/8 Ditto.
	18	30·000	82·0	82·0	77·5	4·5	0·875	0·95	29·856	29·125	.. .. ..	4/8 Ditto.
	19	30.020	83·0	83·0	78·5	4·5	0·905	0·95	29·873	29·115	.. .. ..	4/8 Cumulo Stratus
	20	30·060	85·0	85·0	79·0	6·0	0·904	0·93	29·906	29·156	.. .. ..	8/8 Ditto.
	21	30·072	85·2	85·2	79·0	6·2	0·902	0·93	29·918	29·160	.. .. ..	7/8 Stratus.
	22	30·090	86·0	86·0	79·7	6·3	0·923	0·93	29·935	29·167	.. .. ..	7/8 Cumulo Stratus.
	23	30·082	87·0	87·0	80·5	6·5	0·945	0·93	29·922	29·137	.. .. ..	4/8 Ditto.

East Longitude. H. M. S. 3·00·42. *North Latitude.* ° ′ ″ 12·44·00.

	Hour.	Barometer.		Dry and Wet bulb.			Moisture.		Barometer.		Direction of the Wind.	Clouds.
		Scale Reading.	Attached Ther.	Dry.	Wet.	Difference.	Pressure.	Relative.	Corrected for Expn. of Mercury.	Corrected for Moisture.		
21st APRIL, 1846.	Noon.	30·096	87°0	87°0	80°0	7°0	0·924	0·92	29 938	29.172	E. by N.	2/9 Cumulo Stratus
	1	20·072	88 0	88·0	80·3	7·7	0·926	0·92	29·912	29·146	E.	1/3 Cumulus.
	2	30·037.	88·0	88·0	80·0	8·0	0·913	0·91	29·877	29·124	E.	Cirrus in the South
	3	30·007	87·5	87·5	79·7	7·8	0·906	0·91	29·845	29·101	.. .. ..	Clear.
	4	29·972	87·0	87°0	80°0	7·0	0·924	0·92	29·814	29·048	.. .. ..	Ditto.
	5	30·004	85·5	85·5	79·5	6 0	0·919	0·93	29·850	29·085	.. .. ..	Ditto.
	6	30·013	84·5	84·5	79·7	4·8	0·939	0·95	29·862	29·074	.. .. ..	4/8 Cirro Stratus.
	7	30·020	83·5	83·5	79·5	4·0	0·941	0·95	29·871	29·049	.. .. ..	3/8 Status.
	8	30·030	83·0	83·0	79·0	4·0	0·926	0·95	29·883	29·104	E. by S.	2/9 Stratus ; Stormy Breeze.
	9	30·042	83·0	83 0	79·0	4·0	0·926	0·95	29·895	29·116	.. .. ..	Ditto. Ditto
	10	30·048	82·5	82·5	78·5	4·0	0·909	0·95	29·902	29·139	.. .. ..	1/8 Stratus.
	11	30·010	82·5	82·5	79·0	3.5	0·932	0·96	29·864	29·088	.. .. ..	1/8 Ditto.
	12	29·980	82·2	82·2	79·2	3·0	0·943	0·96	29·836	29·037	.. .. ..	Clear.
	13	29·962	82·0	82·0	79.0	3·0	0·937	0·96	29·818	29·025	.. .. ..	Ditto.
	14	29·940	82·0	82·0	79·0	3·0	0·937	0·96	29.796	29·003	.. .. ..	Ditto.
	15	29·916	82·0	82 0	79·0	3·0	0·937	0·96	29·762	28.979	.. .. ..	Ditto.
	16	29·960	81·5	81·5	78·0	3·5	0.901	0·96	29·821	29 059	.. .. ..	Ditto.
	17	29·980	81·5	81·5	77·0	4·5	0·861	0·95	29·840	29·129	.. .. ..	Ditto.
	18	29·992	82·0	82·0	77·5	4·5	0·875	0·93	29·846	29·117	.. .. ..	2/3 Cumulus.
	19	30·000	83.0	83·0	78·0	5·0	0·884	0·94	29·853	29·116	.. .. ..	5/8 Cumulo Stratus.
	20	30·052	84·0	84·0	79·0	5·0	0·915	0·94	29·902	29·137	.. .. ..	5/3 Stratus.
	21	30·088	95·4	85·4	79·0	6·4	0·900	0·93	29·932	29·188	.. .. ..	4/8 Ditto.
	22	30·100	86·5	86·5	79·5	7·0	0·908	0·91	29·942	29·192	.. .. ..	4/9 Ditto.
	22	30·084	87·5	87·5	79·0	8·5	0·877	0.90	29·924	29·107	.. .. ..	4/8 Ditto
4th MAY, 1849.	Noon.	29·873	95·5	95·0	83·0	12·0	0·969	0·88	29·695	28·726	SW.	Clear
	1	29·900	95·5	95·0	82·0	13·0	0·924	0·87	29·721	28·797	W.	Stratus in the W.
	2	29·863	93·5	93·5	81·5	12·0	0·917	0·87	29·689	28·772	W.	Ditto.
	3	29·812	94·3	94.5	82·0	12·5	0·930	0·87	29·635	28·705	SW.	Stratus in the W. Hr.
	4	29.856	94·0	94·0	83·0	11·0	0·980	0·89	29·680	28·700	SW.	Clear.
	5	29·856	94·0	94·0	82 7	11·3	0·964	0·89	29·680	28·716	SW.	Ditto.
	6	29·862	92·5	92·5	82·0	10·5	0·958	0·90	29·691	28·733	SW.	Ditto.
	7	29·866	91·5	91·5	82·0	9·5	0·962	0·90	29·699	28·737	SW.	Cirrus in the West.
	8	29·878	90·2	90·2	81·0	9·2	0·932	9·90	29·715	28·783	SW.	Ditto.
	9	29·881	89·0	89·6	80·5	9·1	0·917	0·90	29·720	28·803	SW.	Clear.
	10	29·904	88·7	88·7	80·0	8·7	0·906	0·91	29·746	28·840	SW.	Ditto.
	11	29·848	87·7	87·7	79·0	8·7	0·875	0·90	29·690	28 815	SW.	Ditto.
	12	29·846	86.0	86·0	74·5	11·5	0·714	0·85	29·690	28·978	SW.	Ditto.
	13	29·842	86·0	86·0	73·0	13·0	0·657	0·82	29·688	29·031	SW.	Ditto.
	14	29·836	88·0	88·0	72·5	16·5	0·611	0·77	29·678	29·067	SW.	Ditto.
	15	29·830	88·0	88·0	75·0	13·0	0·711	0·83	29·672	28·961	SW.	Ditto.
	16	29·856	89·5	89·5	77·5	12·0	0·792	0·85	29·694	28·902	SW·	2/8 Cirrus.
	17	29·896	86·0	85·0	79·0	7·0	0·893	0·91	29·742	28·849	SW.	3/8 Cirrus.
	18	29·912	86·0	86·0	79·0	7·0	0·893	0·91	29·758	28·865	SW.	2/3 Cirrus.
	19	29·946	90·5	90·5	82·0	8·5	0·962	0·91	29·780	28·818	E. by N.	Clear.
	20	29·960	91·0	91·2	82·0	9·2	0.965	0·91	29·782	28·817	E. by N.	Ditto.
	21	29·977	92·0	92·0	84·0	8·0	1·047	0·92	29·807	28·760	S. by E.	Ditto.
	22	29·991	93·0	93·0	83·0	10·0	0·991	0·90	29.818	28·827	S. by E.	Ditto.
	23	29·942	94·7	94·7	81·0	13·7	0·884	0·86	29·764	28·880	S. by E.	Ditto.
7th MAY, 1846.	Noon.	30·089	89·0	89·0	81·0	8·0	0·945	0·91	29·926	29·134	SE.	Cirrus in the N. E. Hr.
	1	30·075	89·0	88·5	80·5	8·0	0·929	0·91	29·912	29·146	.. ..	Ditto.
	2	30.040	88·7	88·5	79·5	9·0	0.886	0·89	29·878	29·156	.. ..	Cumulus in N. E. Hr.
	3	30·032	89·0	89·0	79·3	9·7	0·873	0·89	29·869	29·159	.. ..	Ditto.
	4	30·024	89·5	89·3	76·0	13·3	0·742	0·83	29·859	29·282	.. ..	Ditto.
	4	30·036	88·4	88·3	77.0	11·3	0·786	0·86	29·863	29·250	.. ..	Clear.
	6	30·040	87·0	87·0	78·0	9·0	0·840	0·89	29·880	29·200	.. ..	Ditto.
	7	30·060	86·0	86·0	78·0	8·0	0·851	0·90	29·905	29·209	.. ..	Ditto.
	8	30 066	85·2	85·2	77·0	8·2	0·820	0·90	29·913	29·246	.. ..	Ditto.
	9	30·076	85·0	85·0	77·3	8·2	0·828	0·90	29·924	29·248	E. by S.	Ditto.
	10	30·084	85·0	85·0	78·0	7·0	0·862	0·92	29·932	29·222	.. .. ..	Ditto.
	11	30·078	85·0	85·0	78·0	7·0	0·862	0·92	29·926	29·216	.. .. ..	Ditto.
	12	30·070	84·3	84·3	78·0	6·3	0·870	0·92	29·920	29·200	.. .. ..	Ditto.
	13	30·061	84·0	84·0	77·7	6·3	0·861	0·93	29·912	29·200	.. .. ..	Ditto.

East Longitude. H. M. S. 3·00·42. *North Latitude.* ° ′ ″ 12·44·00.

		Barometer.		Dry & Wet bulb.			Moisture		Barometer.		Direction of the Wind.	Clouds.
	Hour.	Scale Reading.	Attached Ther.	Dry	Wet.	Difference.	Pressure.	Relative..	Corrected for Expn. for Mercury.	Corrected for Moisture.		
7th MAY 1846.	14	30·049	83·0	83·0	77·6	5·4	0·868	0·94	29·902	29·181	E. by S.	Clear.
	15	30·042	82·5	82.0	77·5	4·5	0·875	0 95	29·896	29·167	.. .. ..	Ditto.
	16	30·043	82·0	82·0	77·9	4·1	0·891	0·95	29·896	29·152	.. .. ..	$^3/_8$ Cumulo Stratus.
	17	30·046	83·0	83·0	78·2	4·8	0·893	0·95	29·899	29·153	.. .. ..	$^2/_8$ Ditto.
	18	30·048	86·0	86·0	79·0	7·0	0·893	0·92	29·893	29·1[illegible]5	.. .. ..	$^4/_8$ Ditto.
	19	30·070	87·0	87·0	79·0	8·0	0·882	0·91	29·912	29·188	.. .. ..	$^6/_8$ Ditto.
	20	30·073	86·0	86·0	79·8	7·0	0·893	0·92	29·918	29·180	.. .. ..	$^4/_8$ Ditto.
	21	30·094	87·5	87·3	80·0	7·3	0·921	0·92	29·935	29·173	.. .. ..	$^4/_8$ Ditto.
	22	30·108	88·0	88·0	79·5	8·5	0·892	0·91	29·948	29·216	.. .. ..	$^5/_8$ Ditto.
	23	30·090	88·0	88·0	79·0	9·0	0·871	0·90	29.930	29·219	.. .. ..	$^3/_8$ Ditto.
19th MAY, 1846.	Noon.	29·985	91·3	91·5	81·7	9·8	0·949	0·90	29·816	29·036	E. by S.	$^5/_8$ Cirro Stratus, & Cumulo Stratus.
	1	29·965	91·3	91·5	82·0	9·5	0·962	0·90	29·791	29·003	.. .. ..	$^6/_8$ Ditto.
	2	29·944	91·0	91·0	82·0	9·0	0·967	0·90	29·776	28·977	.. .. ..	Hr. Cumulus, $^2/_8$ Cirrus.
	3	29·917	91·0	91·2	82·0	9·2	0·965	0·90	29·741	28·942	.. .. ..	$^1/_8$ Cumulo Stratus.
	4	29·896	90·0	90·3	81·7	8·6	0·962	0·91	29·731	28·934	.. .. ..	Hr. Cirro Stratus.
	5	29·924	88·7	89·0	81·3	7·6	0·958	0·92	29·764	28·966	.. .. ..	$^2/_8$ Stratus, $^1/_8$ Cirrus.
	6	29·934	87·3	87·5	81·0	6·5	0·962	0·93	29·775	28·972	.. .. ..	$^3/_8$ Cirro Stratus, $^4/_8$ Cumulo Stratus, Stratus in the N Hr.
	7	29.948	87·0	87·3	81·0	6·3	0·964	0·93	29·790	28·984	.. .. ..	$^2/_8$ Cirro Stratus.
	8	29·964	86·7	87·0	81·0	6·0	0·967	0·94	29.808	28·997	.. .. ..	$^3/_8$ Ditto.
	9	29·970	86·2	86·5	81·0	5·5	0·973	0·94	29·815	28·997	.. .. ..	$^2/_8$ Ditto.
	10	29·982	86·0	86·3	81·0	5·3	0·975	0·94	29·827	29·007	.. .. ..	$^1/_8$ Cirrus.
	11	29·984	86·0	86·0	81·0	5·0	0·978	0·95	29·829	29·006	.. .. ..	$^2/_8$ Stratus.
	12	29·948	85·2	85·5	80·5	5·0	0·951	0·94	29·795	28·997	.. .. ..	$^2/_8$ Ditto.
	13	29·946	85·0	85·3	80·5	4·8	0·968	0·95	29·794	28·978	.. .. ..	$^3/_8$ Ditto.
	14	29·936	85·0	85·2	80·3	4·9	0·955	0·94	29·784	28·981	.. .. ..	$^4/_8$ Ditto.
	15	29·918	85·0	85·0	80.0	5·0	0·946	0·94	29·766	28·972	.. .. ..	$^4/_8$ Ditto.
	16	29·910	85·0	85·0	80·0	5·0	0·946	0·94	29·758	28·964	.. .. ..	$^3/_8$ Djtto.
	17	29·930	85·0	85·0	80·0	5·0	0·946	0·94	29·778	28·984	.. .. .	$^6/_8$ Ditto.
	18	29·962	85·2	85·4	80·2	5·2	0·950	0·94	29·810	29·012	.. .. ..	$^3/_8$ Ditto.
	19	29·996	87·0	87·2	81·0	6·2	0·965	0·95	29·838	29·031	.. .. ..	$^4/_8$ Cumulo Stratus.
	20	30·026	88·5	88·7	81·0	7·7	0·949	0·92	29·864	29·077	.. .. ..	$^5/_8$ Ditto.
	21	30·033	90·5	90·7	82·0	8·7	0·971	0·91	29·869	29·062	.. .. ..	$^3/_8$ Ditto.
	22	30·040	91·0	91·5	83·0	8·5	1·007	0·92	29·872	29 033	.. .. ..	$^2/_8$ Cumulo Stratus.
	23	30·022	91·0	91·3	82·5	8·8	0·987	0·91	29·854	29·035	.. .. ..	$^4/_8$ Cirro Stratus.
25th MAY, 1846.	Noon.	29·930	95·5	95·0	83·0	12·5	0·964	0·87	29·745	28·946	S. W.	Hr. Stratus, $^2/_8$ Cumulus. Brisk wind
	1	29·906	96·0	95·0	81·3	13·7	0·893	0·86	29·715	29·013	.. .. ..	$^1/_8$ Cumulo Stratus.
	2	29·866	96·5	96·3	81·5	14·8	0·877	0·85	29·685	28·989	.. .. ..	Hr. Cirro Stratus.
	3	29·862	98·0	98·0	80·5	17·5	0·826	0·81	29·675	29·006	.. .. ..	Hr. Cirro Stratus
	4	29·858	95·0	95·5	81·7	13·8	0·876	0·86	29·679	28·982	.. .. ..	Stratus in the N. and W. Hr.
	5	29·880	94·0	93·7	79·0	14·7	0·809	0·85	29·714	28·971	.. .. ..	Hr. Stratus.
	6	29·892	92·5	92·9	80·0	12·9	0·861	0·86	29·721	29·031	.. .. ..	$^4/_8$ Ditto.
	7	29·907	91·2	92·0	83·0	9·0	1.001	0·91	29·740	28·906	.. .. ..	$^4/_8$ Ditto.
	8	29·910	91·0	91·3	83·0	8·3	1·009	0·92	29·743	28·901	.. .. ..	$^3/_8$ Cirrus.
	9	29·900	90·8	91·0	83·0	8·0	1·012	0·92	29·737	28.888	.. .. ..	$^3/_8$ Cirro Stratus
	10	29·900	90·0	90·5	82·5	8·0	0·995	0·92	29·736	28·905	.. .. ..	$^4/_8$ Stratus
	11	29·894	90·0	90·5	83·0	7·5	1·018	0·92	29·731	28·776	.. .. ..	$^3/_8$ Ditto.
	12	29·879	90·0	90·0	82·0	8·0	0·978	0·92	29·716	28·901	.. .. ..	$^4/_8$ Ditto.
	13	29·868	90·0	90·0	80·0	10·0	0·392	0·89	29·705	28·976	.. .. ..	$^6/_8$ Ditto.
	14	29·863	89·0	88·0	75·5	13·5	0·706	0·83	29·703	29·057	.. .. ..	$^5/_8$ Ditto.
	15	29·856	89·0	88.0	80·0	8·0	0·913	0·91	29·693	28·933	.. .. ..	$^3/_8$ Ditto.
	16	29·860	90·0	90·3	82·5	7·8	0·998	0·91	29·697	28·862	.. .. ..	$^1/_8$ Cirro Stratus
	17	29·864	90·0	90·5	82·0	8·5	0·973	0·91	29·701	28·891	.. .. ..	$^1/_8$ Ditto.
	18	29·868	90·0	90·5	82·5	8·0	0·995	0·91	29·705	28·873	.. .. ..	$^2/_8$ Ditto.
	19	29·870	91·0	91·0	83·0	8·0	1·012	0·92	29·704	28·858	.. .. ..	$^2/_8$ Ditto.
	20	29·940	91·5	91·7	83·0	8·7	1·005	0·91	29·772	28·935	.. .. ..	$^3/_8$ Ditto.
	21	29·990	92·0	92·3	85·0	7·3	1·091	0·93	29·820	28·899	.. .. ..	$^2/_8$ Ditto.
	22	29·992	93·0	93·0	85·0	8·0	1·083	0·93	29·819	28·909	.. .. ..	Clear.
	23	29·924	93·0	93·5	85·0	8·5	1·078	0·92	29·751	28·849	.. .. ..	Ditto.

East Longitude. H. M. S. 3·00 42. *North Latitude.* ° ′ ″ 12·44·00.

	Hour.	Barometer.		Dry and Wet Bulb.			Moisture.		Barometer.		Direction of the Wind.	Clouds.
		Scale Reading.	Attached Ther.	Dry.	Wet.	Difference.	Pressure.	Relative.	Corrected for Expn. of Mercury	Corrected for Moisture.		
29th MAY, 1846.	Noon.	29·908	94·5	94·7	86·0	8·7	1·114	0·92	29·721	28·794	SE.	Hr. Haz.
	1	29·888	94·2	94·2	86·5	7·7	1·139	0.93	29·713	28·699	.. .. ..	Ditto.
	2	29·856	96·2	96·2	87·0	9·2	1·147	0·92	29·675	28·709	.. .. ..	Hr. Cirro Cumulus.
	3	29·824	98·0	98·0	87·0	11·0	1·128	0·91	29·638	28·696	.. .. ..	Ditto.
	4	29·839	98·0	97·2	82·7	14·5	0·931	0·85	29·653	28·908	.. .. ..	Cirro Stratus in the E
	5	29·854	97·0	96·7	84·0	12·7	0·997	0·88	29·670	28·857	.. .. ..	1/8 Cirro Stratus.
	6	29·860	94·0	94·0	85·0	9·0	1·072	0·94	29 689	28.788	.. .. ..	3/8 Ditto.
	7	29·880	92·2	92·5	87·0	5·5	1·182	0·95	29·714	28·698	.. .. ..	3/8 Ditto.
	8	29·880	90·5	91·0	86·0	5·0	1·153	0·95	29·716	28·727	.. .. ..	Clear.
	9	29·892	90·0	90·5	86·0	4·5	1·159	0·96	29·728	28·733	.. .. ..	Ditto.
	10	29·906	90·0	90·0	84·0	6·0	1·069	0·94	29·742	28·837	.. .. ..	Ditto.
	11	29·876	90·0	89·7	85·0	4·7	1·120	0·96	29·713	28·756	.. .. ..	Ditto.
	12	29·868	90·0	89·5	85·0	4·5	1·122	0·96	29·705	28·746	.. .. ..	4/8 Stratus.
	13	29·860	89·5	89.5	85·0	4 5	1·122	0·96	29·699	28·738	.. .. ..	3/8 Ditto.
	14	29·850	89·0	89·0	85·0	4·0	1·127	0·96	29·690	28·723	.. .. ..	2/8 Ditto.
	15	29·842	89·0	89·0	83·2	5·8	1·043	0·96	29·682	28·799	.. .. ..	4/8 Ditto.
	16	29·848	88·5	87·5	82·5	5·0	1·073	0·95	29·692	28·775	.. .. ..	7/8 Ditto.
	17	29·850	87·0	87·0	82·0	5·0	1·011	0 95	29·696	28·839	SW.	6/8 Ditto.
	18	29·910	87·5	87·5	83·0	4·5	1·061	0·96	29·752	28 849	.. .. ..	5/8 Ditto.
	19	29·916	88·2	88.5	83·0	5·5	1·050	0·95	29·757	23·866	.. .. ..	4/8 Cirro Stratus.
	20	29·934	91·0	91·0	83·0	8·0	1·012	0.92	29·767	28·922	.. .. ..	4/8 Cirrus.
	21	29·946	93·0	93·0	84·5	8·5	1·059	0·92	29·773	28·887	.. .. ..	2/8 Ditto.
	22	29·944	93·7	93·7	84·0	9·7	1·029	0·91	29·770	28 915	.. .. ..	3/8 Ditto.
	23	29·900	96·0	96·0	85·5	10.5	1·076	0·91	29·718	28·824	.. .. ..	Clear.
12th JUNE, 1846.	Noon.	29·875	94·9	94·7	83·2	11 5	0·982	0·88	29·698	28·716	SW.	Hr. Cumulus ; Z. Clear.
	1	29·849	96·7	96·5	83·0	13.5	0·953	0·87	29·667	28·714	.. .. ..	Ditto. Ditto.
	2	29·836	96·7	96·4	82·4	14·0	0·926	0·86	29.654	28·728	.. .. ..	Ditto. Ditto.
	3	29·818	95·6	95·6	81·0	14·6	0·874	0·85	29·639	28·755	.. .. ..	3/8 Cirro Stratus.
	4	29·816	95.0	93·0	82 0	11·0	0 946	0·89	29·643	28·697	.. .. ..	Ditto.
	5	29·820	91·5	91·7	81·2	10·5	0·925	0 89	29·653	28·728	.. .. ..	3/8 Stratus; 3/8 Cumulus.
	6	29·826	90·7	91·0	81·0	10·0	0·924	0·89	29·662	28·738	.. .. ..	3/8 Cumulus.
	7	29·826	90·0	90·5	82·5	8·0	0·995	0·92	29·663	28·668	.. .. ..	4/8 Cirro Stratus.
	8	29·834	89·7	90·0	80·5	9·5	0·913	0·90	29·672	28·759	SE.	5/8 Cirro Stratus.
	9	29·850	90·0	90·2	76·4	13·8	0·742	0·83	29·686	28·944	.. .. ..	6/8 Stratus.
	10	29·848	89·5	89·5	79·0	10·5	0·855	0·88	29·686	28.831	.. .. ..	1/8 Cumulus, 6/8 Stratus, 1/8 Cumulus.
	11	29·830	88·7	88·6	75·0	13·6	0·705	0·83	29·671	28·966	.. .. ..	2/8 Cirrus 3/8 Stratus.
	12	29·820	88·0	88·0	75·0	13·0	0·711	0·83	29·662	28·951	.. .. ..	3/8 Cirrus.
	13	29·812	87·0	87·0	75·0	14·0	0·646	0·82	29·656	29·010	.. .. ..	1/8 Ditto.
	14	29·806	87·0	87·0	75·0	12·0	0·722	0·84	29·650	28·928	.. .. ..	1/8 Ditto.
	15	29·810	87·0	87·0	79 0	8·0	0·882	0·91	29 654	28·772	.. .. ..	1/8 Ditto.
	16	29·814	87·0	87·0	79·0	8·0	0·882	0·91	29·658	28·776	.. .. ..	Clear.
	17	29·820	86·0	86·0	78·5	7·5	0·872	0·91	29·666	28·794	.. .. ..	Ditto.
	18	29·828	86·0	86·0	78·5	7·5	0·872	0·91	29·674	23·802	.. .. ..	Ditto.
	19	29·856	88·3	88·5	79·0	9·5	0·866	0·89	29·697	28·831	.. .. ..	Ditto.
	20	29·879	90·5	90·7	79·5	11·2	0·863	0·87	29·716	23·852	.. .. ..	Ditto.
	21	29·889	92·6	92·6	82·0	10·6	0·951	0·89	29·718	28·767	S. by W.	Ditto.
	22	29·890	93·4	93·8	84·0	9·8	1·028	0·91	29·716	28·698	.. .. ..	3/8 Cumulo Stratus.
	23	29.878	94·0	94·0	84·0	10·0	1·026	0·90	29·702	28·676	SW.	Hr. Stratus.
18th JUNE, 1846.	Noon.	29·863	95·5	95 7	83·0	12·7	0·962	0·88	29·685	28·723	.. .. ..	3/8 Cirrus.
	1	29·850	95·0	95·5	82·0	13·5	0·919	0·86	29·672	28·753	.. .. ..	7/8 Ditto.
	2	29·814	95·0	95·2	83·0	12·2	0·967	0·88	29·636	28·669	.. .. ..	6/8 Ditto.
	3	29·808	95·0	95·2	83 0	12·2	0·967	0·88	29·630	28·663	.. .. ..	6/8 Ditto.
	4	29·784	94·0	94·0	82·7	11·3	0·968	0·88	29·609	28·641	.. .. ..	4/8 Ditto.
	5	29·786	93·5	93·5	83·0	10·5	0·986	0·90	29·617	28·631	.. .. ..	7/8 Ditto.
	6	29·788	92·5	92·5	80·3	12·2	0·877	0·87	20·618	28·741	.. .. ..	7/8 Ditto.
	7	29·830	91·0	91·0	81·0	10·0	0·924	0·89	29·664	28·740	.. .. ..	1/8 Ditto.
	8	29·835	90·0	90·5	83·5	7·0	1·040	0·93	29·671	23·631	.. .. ..	1/8 Ditto.
	9	29·840	89·5	89·5	83·0	6·5	1·029	0·94	29·677	28·653	.. .. ..	Clear.
	10	29·860	87·5	88·5	83·0	5·5	1·040	0·95	29·703	28·663	.. .. ..	Ditto.
	11	29·848	86·5	86·0	82·5	4·5	1·034	0·95	29·694	28·660	.. .. ..	Ditto.
	12	29·834	86·0	87·0	83 0	4·0	1·056	0·96	29·680	28·624	.. .. ..	Ditto.

East Longitude. H. M. S. 3·00·42. *North Latitude.* ° ′ ″ 12·44·00.

	Hour.	Barometer.		Dry and Wet bulb.			Moisture.		Barometer.		Direction of the Wind.	Clouds.
		Scale Reading.	Attached Ther.	Dry.	Wet.	Difference.	Pressure.	Relative.	Corrected for Expn. of Mercury.	Corrected for Moisture.		
18th JUNE, 1846.	13	29·816	86°·0	86°·5	82°·0	4°·5	1·017	0·96	29·662	28·645	SW.	Clear.
	14	29·810	86·0	86·5	81·0	5·5	0·978	0·94	29·656	28·678	.. .. ..	Ditto.
	15	29·778	86·0	86·5	80·0	6·5	0·930	0·93	29·624	28·694	.. .. ..	Ditto.
	16	29·780	86·0	86·5	78·0	8·5	0·847	0·90	29·626	28·779	.. .. ..	Ditto.
	17	29·800	87·0	87·0	79·0	8·0	0·882	0·91	29·645	28·763	.. .. ..	Ditto.
	18	29·824	88·0	88·5	81·0	7·5	0·951	0·92	29·666	28·751	.. .. ..	2/8 Cirro Stratus
	19	29·833	89·0	89·0	82·0	7·0	0·989	0·93	29·672	28·683	.. .. ..	3/8 Ditto.
	20	29·868	91·0	91·0	82·0	9·0	0·967	0·90	29·702	28·735	.. .. ..	2/8 Cirrus.
	21	29·872	91·7	91·4	84·0	7·4	1·054	0·93	29.708	28·654	.. .. ..	3/8 Ditto.
	22	29·886	92·7	93·0	85·5	7·5	1.108	0·93	29·715	28·607	.. .. ..	4/8 Ditto.
	23	29·836	94·2	94·5	87·0	7·5	1·166	0·93	29·666	28·500	.. .. ..	3/8 Ditto.
21st JUNE 1846.	18	29·934	86·0	86·0	80·0	6·0	0·935	0·93	29·779	28·844	W.	Hr. Cirrus ; Z. Clear.
	19	29·953	89 0	89·0	81·0	8·0	0·945	0·91	29·791	28·846	.. .. ..	Clear.
	20	29·988	91·5	91·3	80·0	11·3	0·878	0·88	29·820	28·942	.. .. ..	Ditto.
	21	30·010	93·8	93·4	80·0	13·4	0·855	0·85	29·834	28·979	.. .. ..	Ditto.
	22	30·012	94·7	94·2	80·0	14·2	0·846	0·84	29 835	28·990	.. .. ..	Ditto.
	23	29·990	95·2	95·0	81·0	14·0	0·880	0·85	29·812	28·932	.. .. ..	Ditto.
22nd JUNE, 1846.	Noon.	29·986	96 0	95·7	81·7	14.0	0·903	0·85	29·805	28·902	.. .. ..	Clear.
	1	29·936	96·3	96.0	81·0	15·0	0·869	0·84	29·754	28·885	.. .. ..	Ditto.
	2	29·908	96·0	95·7	81·7	14·0	0·903	0·85	29·727	28·824	.. .. ..	Ditto.
	3	29·900	96·0	96.0	80·0	16·0	0·826	0·82	29·719	28·893	.. .. ..	1/8 Cirro Stratus.
	4	29.872	96·0	96·0	79·0	17·0	0·783	0·81	29·691	28·908	.. .. ..	2/8 Ditto.
	5	29·880	94·0	94·0	77.5	16·5	0·743	0·80	29·704	28·951	NE.	4/8 Cumuli, Stratus.
	6	29·884	93·0	93·0	78·0	15·0	0·774	0·82	29·711	28·937	.. .. ..	3/8 Ditto.
	7	29·892	92·0	92·0	80·0	12 0	0·870	0·87	29·722	28·852	.. .. ..	4/8 Ditto.
	8	29·896	89·7	90·3	79·0	11·0	0·849	0·88	29·735	28·886	.. .. ..	7/8 Stratus.
	9	29·900	89·0	90·0	82 5	7·5	1·001	0·93	29·738	28·737	.. .. ..	1/8 Cirro Stratus
	10	29·925	89·0	90·0	83·0	7·0	1·023	0·93	29·764	28·741	.. .. ..	1/8 Ditto.
	11	29·904	88·5	89·5	83·0	6·5	1·031	6·94	29·744	28·713	.. .. ..	1/8 Cirrus.
	12	29·900	88·0	88·5	82·0	6·5	0·995	0·93	29·741	28·746	.. .. ..	2/8 Cirro Stratus.
	13	29·898	88·0	88·5	82 0	6·5	0·995	0.93	29·740	28·745	.. .. ..	6/8 Ditto.
	14	29·882	87·0	87·0	83·0	4·0	1·056	0·96	29·726	28·670	.. .. ..	5/8 Ditto.
	15	29·880	86·5	87·0	79·0	8·0	0·893	0·91	29·725	28·832	.. .. ..	2/8 Cirrus.
	16	29·885	86·0	86·5	76·0	10·5	0·767	0·87	29·734	28 967	.. .. ..	Clear.
	17	29·888	85·0	85·3	76·5	8·8	0·810	0.90	29·737	28·927	.. .. ..	Ditto.
	18	29·890	85·5	85·7	77·0	8·7	0·815	0·90	29·733	28.923	.. .. ..	Ditto.
	19	29·925	88·0	88·0	77·0	11·0	0·789	0·87	29·766	28·977	.. .. ..	Ditto.
	20	29·952	92·0	92·0	82.0	10·0	0·957	0·90	29·782	28·825	.. .. ..	Ditto.
	21	29·961	93·0	92·7	84·0	8·7	1·040	0·92	29·788	28·748	.. .. ..	Ditto.
	22	29·950	94·7	94°·7	84·0	10°·7	1·019	0·90	29·774	28·755	SW.	Ditto
	23	29·930	96·5	96·5	81·0	15·5	0·864	0·84	29.748	28·884	.. .. ..	Ditto.
23rd JUNE, 1846.	Noon.	29·926	98·0	97·6	85·0	12·6	1·031	0·88	29·711	28·707	.. .. ..	Clear.
	1	29·856	98·0	97·6	83·5	14·1	0·958	0·86	29·671	28·713	.. .. ..	Ditto.
	2	29·800	97·0	97·0	82·0	15·0	0·902	0·85	29·617	28·715	.. .. ..	Ditto.
	3	29·785	96·0	96·0	81 0	15·0	0·869	0·84	29·605	28 737	.. .. ..	Hr. Cirrus.
	4	29·794	97·3	97·3	78 0	19·3	0·727	0·77	29·610	28·883	.. .. ..	1/8 Cirrus
	5	29·780	96·0	97·7	78·0	19·7	0·723	0·77	29·596	28·873	.. .. ..	Cirrus in the N. H.
	6	29·788	96·0	96·0	79·0	17·0	0·783	0·81	29·607	28·824	.. .. ..	Ditto
29th JUNE, 1846	Noon.	29·759	98·0	98·0	82·0	16·0	0·892	0·84	29·574	28·682	.. .. ..	1/8 Cumulus
	1	29·720	99·0	99·0	82·0	17·0	0·981	0·83	29·532	28·651	.. .. ..	4/8 Ditto
	2	29·696	99·0	99·0	81·0	18·0	0·837	0·81	29·508	28·671	.. .. ..	1/8 Cirrus
	3	29·666	99·0	99·0	80·0	19·0	0·793	0·79	29·478	28·685	.. .. ..	1/8 Ditto.
	4	29·677	99·0	98·5	77·0	21·5	0·674	0·71	29·489	28·815	.. .. ..	Clear.
	5	29·690	97·0	97·0	81·0	16·0	0·859	0·83	29·507	28·648	.. .. ..	Ditto.
	6	29.680	92·0	92·3	82·0	10·3	0·951	0·89	29·510	28·556	.. .. ..	1/4 Cumulus
	7	29·700	91·0	91·5	83·0	8·5	1·007	0 92	29·533	28·526	.. .. .	N. Stratus, 2/4 Cumulus.
	8	29·715	89·0	89·7	82·0	7·7	0·982	0·92	29·551	28·572	N.	Hr. Cirro Stratus, Z. Clear
	9	29·715	89 0	89·7	82.0	7·7	0·982	0·92	29·554	28·572	.. .. ..	4/4 Stratus
	10	29·715	89.0	89·5	80·0	9·5	0·897	0·90	29·551	28·657	.. .. ..	1/8 Ditto
	11	29·715	89·5	90·0	81·0	9.0	0·934	0·90	29·553	28·619	.. .. ..	5/8 Ditto.
	12	29·690	89 5	90·0	82·0	8·0	0·978	0·92	29·528	28·550	.. .. ..	6/8 Ditto.

East Longitude. H. M. S. 3·00·42. *North Latitude.* ° ′ ″ 12·44·00.

	Hour.	Barometer.		Dry and Wet bulb.			Moisture.		Barometer.		Direction of the Wind.	Clouds.
		Scale. Reading.	Attached Ther.	Dry.	Wet.	Difference.	Pressure.	Relative.	Corrected for Expn. of Mercury.	Corrected for Moisture.		
29th JUNE, 1846.	13	29·684	88·5	89·0	81·5	7·5	0·967	0·92	29·526	28·559	N.	6/8 Stratus.
	14	29·684	87·0	87·0	80·0	7·0	0·924	0·92	29·529	28·605	.. .. ..	7/8 Ditto.
	15	29·680	88·0	88·0	81·0	7·0	0·956	0·92	29·523	28·567	.. .. ..	6/8 Ditto.
	16	29·675	89·0	89·0	82·0	7·0	0·989	0·93	29·515	28·526	.. .. ..	6/8 Ditto.
	17	29·700	87·0	87·5	82·0	5·8	1·006	0·94	29·544	28·538	.. .. ..	6/8 Ditto.
	18	29·726	89·0	89·0	82·0	7·0	0·989	0·93	29·565	28·576	West.	4/8 Ditto.
	19	29·752	90·0	90·0	82·0	8·0	0·978	0·92	29·589	28·611	.. .. ..	5/8 Ditto.
	20	29·766	90·0	90·0	81.5	8·5	0·956	0·91	29·603	28·647	.. .. ..	6/8 Ditto.
	21	29·770	91·7	91·7	83·0	8·7	1·005	0·92	29·603	28·596	.. .. ..	6/8 Ditto.
	22	29·776	93·4	93·4	83·5	9·9	1·009	0.91	29·603	28·594	.. .. ..	Hr. Cirro Stratus.
	23	29·750	95·5	95·5	85·0	10·5	1·057	0·90	29·572	28·515	.. .. ..	Clear.
7th JULY, 1846.	Noon.	29·800	95·0	95·0	81.0	14·0	0·880	0·85	29·622	28·742	W. by S.	1/8 Cirro Stratus.
	1	29·800	95·0	95·0	81·0	14·0	0·880	0·85	29·622	28·742	.. .. ..	1/3 Ditto.
	2	29·744	97·0	97·0	81·0	16·0	0·859	0·83	29.562	28·703	.. .. ..	1/3 Ditto.
	3	29·710	98·0	98·0	80·0	18·0	0·804	0·80	29·526	28·722	.. .. ..	1/8 Ditto.
	4	29·690	98·0	98·0	80·5	17·5	0·826	0·81	29·506	28·680	.. .. ..	Clear.
	5	29·710	97·0	97·0	80·7	16·3	0·844	0·82	29·528	28·684	. .. ..	Ditto.
	6	29·713	97.0	97·0	81·0	16·0	0·859	0·83	29·531	28·672	.. .. ..	Ditto.
	7	29·748	93·5	94·0	80·0	14·0	0·848	0·85	29·574	28·726	.. .. ..	2/8 Stratus.
	8	29·785	88·5	89·0	79·0	10·0	0·860	0·89	29·626	28·766	North.	7/8 Cumulo Stratus.
	9	29·791	87·5	88·0	80·0	8·0	0·913	0·91	29·634	28·721	N. by E.	2/8 Ditto.
	10	29·802	86·3	87·0	80·0	7·0	0·924	0·92	29·649	28·725	.. .. ..	3/8 Ditto.
	11	29·789	86·3	87·0	79·5	7·5	0·903	0·92	29·634	28·731	.. .. ..	W. Hr. Cirro Stratus.
	12	29·760	86·0	86·7	79·0	7·7	0·886	0·91	29·616	28·730	.. .. ..	2/8 Ditto.
	13	29·736	85·0	85·5	78·0	7·5	0·857	0·91	29·585	28·726	.. .. ..	3/8 Cumulo Stratus.
	14	29·720	85·0	85·5	78·0	7·5	0·857	0·91	29·579	28·722	.. .. ..	7/8 Ditto.
	15	29·714	84·0	84·7	77·0	7·7	0·826	0·91	29·566	28·740	.. .. ..	7/8 Ditto.
	16	29.750	82·5	83·0	76·5	6·5	0·825	0·92	29·604	28·782	.. .. ..	7/8 Ditto.
	17	29·765	84·0	84·5	78·0	6·5	0·863	0·92	29·617	28·754	W.	6/8 Cirro Stratus.
	18	29·780	86·0	86·5	80·0	6·5	0·930	0·93	29·626	28·696	.. .. ..	6/8 Ditto.
	19	29·800	87·5	88.0	81·0	7·0	0·956	0·92	29·663	28·687	.. .. ..	6/8 Ditto.
	20	29·820	88·0	88.3	78·3	10·0	0·838	0·88	29·662	28·824	.. .. ..	1/8 Ditto.
	21	29·832	90·7	90·7	80·0	10.7	0·885	0·89	29·668	28·783	.. .. ..	1/8 Ditto.
	22	29·850	93·0	93·0	82·0	11·0	0·946	0·89	29·677	28·731	.. .. ..	2/8 Cirrus.
	23	29·814	94·0	94·0	83·0	11·0	0·980	0·89	29·638	28·658	.. .. ..	2/8 Ditto.
14th JULY, 1846.	Noon.	29·798	97·3	97·3	83·0	14·3	0·944	0·86	29·606	28·662	W. by S.	1/8 Cirrus.
	1	29·730	97·0	97·0	84·0	13·0	0·993	0·87	29·548	28·555	.. .. ..	1/8 Ditto.
	2	29·710	97·0	97·0	82·0	15·0	0·902	0·85	29·832	28·630	.. .. ..	1/8 Ditto.
	3	29·688	96·3	96·3	81·0	15·3	0·866	0·84	29·507	28·641	.. .. ..	1/8 Ditto.
	4	29·670	95·5	95·5	80·0	15·5	0·832	0·83	29·489	28·657	.. .. ..	1/8 Ditto.
	5	29·644	95·0	95·0	79·0	16·0	0·794	0·82	29·466	28·672	.. .. ..	2/8 Cumulus, 1/8 Cirrus
	6	29·644	94·0	94·0	80·0	14·0	0·848	0·85	29·468	28·620	.. .. ..	4/8 Cirro Stratus.
	7	29·700	94·0	94·0	80·0	14·0	0·848	0·85	29·525	28·777	N. by E.	2/8 Stratus.
	8	29·674	93·0	93·0	82·0	11·0	0·946	0·89	29·502	28·556	.. .. ..	2/3 Nimbus.*
	9	29·750	88·0	88·0	82·5	5·5	1·023	0·94	29·592	28·569	.. .. ..	1/8 Stratus; Lightning in the N
	10	29·760	88·0	88·0	82·0	6·0	1·000	0·94	29·597	28·597	.. .. ..	2/8 Ditto. Ligthning in the N
	11	29·748	88·3	88·3	81·0	7·3	0·953	0·93	29·585	28·632	.. .. ..	3/8 Cirro Stratus.
	12	29·740	88·0	88·0	81·0	7·0	0·956	0·92	29·582	28·626	.. .. ..	2/8 Ditto.
	13	29·722	88·0	88·0	81·0	7·0	0·956	0·92	29·564	28·608	.. .. ..	3/8 Cirrus.
	14	29·700	88·0	88·0	81·0	7·0	0·956	0·92	29·542	28·586	.. .. ..	7/8 Cumulo Stratus.
	15	29·700	88·0	88·0	81·0	7·0	0·956	0·92	29·542	28·586	.. .. ..	6/8 Ditto.
	16	29·748	87·5	87·5	81·0	6·5	0·962	0·93	29·590	28·628	.. .. ..	6/8 Ditto.
	17	29·800	87·5	87·5	81·0	6·5	0.962	0·93	29.643	28·681	.. .. ..	5/8 Ditto.
	18	29·830	87·0	87·0	80·0	7·0	0·924	0·92	29·673	28·749	.. .. ..	4/8 Ditto.
	19	29·840	88·0	88·0	81.0	7·0	0·956	0·92	29·684	28·728	W.	7/8 Stratus.
	20	29·840	91·0	91·0	84.0	7·0	1·058	0·93	29·674	28·616	.. .. ..	5/8 Ditto
	21	29·850	92·5	92·5	83·0	9·5	0·996	0·91	29·679	28·683	.. .. ..	6/8 Ditto
	22	29·833	91·0	91·3	84·0	7·3	1·055	0·93	29·666	28·611	.. .. ..	7/8 Ditto.
	23	29·798	94·0	94·0	85·0	9·0	1·072	0·92	29·624	28·552	.. .. ..	Hr. Stratus; Z. Cumulus.

* Lightning with a light shower of rain.

H. M. S. ° ′ ″
East Longitude. 3·00·40. *North Latitude.* 12.44·00.

	Hour.	Barometer.		Dry and Wet bulb.			Moisture.		Barometer.		Direction of the Wind	Clouds.
		Scale Reading.	Attached Ther.	Dry.	Wet.	Difference.	Pressure.	Relative.	Corrected for Expn. of Mercury.	Corrected for Moisture.		
21st JULY 1846.	Noon.	29·850	93°0	93°0	81°5	11°5	0·924	0·89	29·677	28·753	SW by W	Clear
	1	29·814	95·0	95·0	81·5	13·5	0·902	0·86	29·626	28·734	.. .. ..	Ditto
	2	29·770	95·0	95·2	79·5	15.7	0·816	0·83	29·592	28·776	.. .. ..	Ditto
	3	29·742	95·3	95·0	81·0	14.0	0·880	0·85	29·564	28·684	.. .. ..	Ditto
	4	29·720	94·0	94·0	80·0	14·0	0·848	0·85	29·546	28·698	.. .. ..	Ditto.
	5	29·700	93·0	93·0	78·0	15·0	0·774	0·82	29·527	28·753	.. .. ..	Ditto.
	6	29·730	93·0	93·0	77 0	16·0	0·734	0 81	29·557	28·823	.. .. ..	Ditto
	7	29·755	92·5	92·5	78·0	14·5	0·780	0·83	29·585	28·805	N. by E.	Ditto.
	8	29·756	90·0	90·5	82·0	8·5	0·973	0·91	29·593	28·620	.. .. ..	Ditto.
	9	29.792	89·5	90·0	80·0	10·0	0·892	0·89	29·631	28·739	.. .. ..	Ditto.
	10	29·788	89·2	89·7	80·0	9·7	0·895	0·90	29·628	28·733	.. .. ..	Ditto.
	11	29·775	89·0	89·5	80·0	9·5	0·897	0·90	29·618	28·728	.. .. ..	Ditto.
	12	29·765	89·0	89·5	79·0	10·5	0·855	0·88	29·605	28·750	.. .. ..	1/8 Cirrus
	13	29·754	89·0	89·5	79·0	10·5	0·855	0 88	29·594	28·739	.. .. ..	Clear.
	14	29·740	88·5	89·0	79·0	10·0	0·860	0·89	29·582	28·722	.. .. ..	Ditto.
	15	29·736	88·5	89·0	79·0	10.0	0·860	0·89	29·578	28·718	SW.	Ditto.
	16	29·740	87·5	88·0	79·5	8·5	0·892	0 90	29·584	28·692	.. .. ..	2/8 Cirrus
	17	29·790	87·5	88·0	80·0	8·0	0·913	0·91	29·634	28·721	.. .. ..	Hr. Cirrus
	18	29·800	88·5	88·5	81·0	7·5	0·955	0·92	29·641	28·686	.. .. ..	Hr. Cirrus
	19	29·800	90·0	90·0	81·0	9·0	0·934	0·90	29·657	28·703	.. .. ..	2/8 Ditto.
	20	29·810	90·5	90·5	82·0	8·5	0·973	0·91	29·646	28·673	.. .. ..	2/8 Ditto
	21	29·814	93·5	93·0	83·0	10·0	0·991	0·90	29·640	28·649	.. .. ..	1/8 Ditto
	21	29·818	95·5	95·5	84·0	11·5	1·010	0·89	29·639	28·629	.. .. ..	2/8 Ditto.
	23	29·796	95·0	95·0	84·5	10·5	1·040	0·90	29·618	28·574	.. .. ..	2/8 Cumulus
28th JULY, 1846.	Noon.	29·772	93·5	93·2	80·0	13·2	0·857	0·86	29.599	28·742	SW·	7/8 Stratus.
	1	29·766	94·5	94·0	79·5	14·5	0.827	0·84	29·590	28·763	.. .. ..	7/8 Ditto.
	2	29·760	95·0	95·0	79·0	16·0	0·794	0·82	29·583	28·789	.. .. ..	6/8 Ditto.
	3	29·730	94·0	94·0	80.0	14·0	0·848	0·85	29·555	28·707	.. .. ..	Hr Ditto.
	4	29·740	93·0	93·0	80·0	13·0	0·859	0·86	29·568	28.709	.. .. ..	Ditto
	5	29·746	92·0	92·0	78·0	14·0	0·785	0·84	29·577	28·792	.. .. ..	Hr. Cirrus
	6	29·750	89·5	89·5	80·0	9·5	0·897	0·90	29·591	28·694	NE.	1/8 Ditto.
	7	29·744	88·5	89·0	79·5	9·5	0 881	0·90	29·585	28·704	.. .. ..	Clear
	8	29·768	88·5	89·0	80·0	9·0	0·902	0·90	29·609	28·707	.. .. ..	Ditto.
	9	29·770	88·0	88 5	80·0	8.5	0·908	0·91	29 612	28·704	.. .. ..	2/8 Cirrus.
	10	29·808	88·0	88·5	80·0	8·5	0·908	0·91	29·650	28·742	.. .. ..	3/8 Stratus
	11	29·810	87·5	88·0	81·0	7·0	0·956	0·92	29·653	28·697	.. .. ..	3/8 Ditto
	12	29·808	87·0	87·5	81·0	6·5	0·962	0·93	29·652	28·690	.. .. ..	4/8 Cirro Stratus
	13	29·808	86·0	86·5	81·5	5·0	0·987	0·94	29·655	28·668	.. .. ..	3/8 Ditto.
	14	29·800	85·5	86 0	81·0	5·0	0·978	0·95	29·650	28·672	.. .. ..	1/8 Ditto.
	15	29·794	85·5	86·0	81·0	5·0	0·978	0·95	29·643	28·665	.. .. ..	4/8 Ditto.
	16	29·804	86·5	87·0	81·0	6·0	0·967	0·94	29·650	28·683	.. .. .	6/8 Ditto.
	17	29·814	86·0	86·0	80.0	6·0	0·935	0.93	29·661	28·726	S.	6/8 Ditto.
	18	29·824	86·0	86·0	79·0	7·0	0·893	0·92	29·671	28·778	.. .. ..	6/8 Ditto.
	19	29·828	87·0	87·0	79·0	8·0	0·882	0·91	29·672	28·790	.. .. ..	6/8 Ditto.
	20	29·842	90·0	90·0	80·0	10·0	0·892	0·90	29·679	28·787	S. by W.	4/8 Ditto.
	21	29·891	91·5	91·5	80.0	11·5	0·876	0·89	29·724	28 848	.. .. ..	3/8 Ditto
	22	29·876	92·3	92·3	80·5	11·8	0·881	0·88	29·705	28·824	.. .. ..	3/8 Cirrus.
	23	29·876	93·5	93.5	82·0	11·5	0·941	0.88	29·702	28·761	.. .. ..	3/8 Ditto.
7th AUGUST, 1846.	Noon.	29·776	91·2	91·2	79·0	12·2	0·836	0·86	29·610	28·774	S. by W.	Cirrus in S. W.
	1	29·776	92·0	92·0	79·0	13·0	0·827	0·85	29·607	28·780	.. .. ..	Clear.
	2	29·748	91·0	91·0	77·0	14·0	0·756	0·83	29·582	28·826	.. .. ..	Ditto.
	3	29·732	92·5	92·5	75·0	17·5	0·662	0·78	29·562	28·900	.. .. ..	Ditto.
	4	29·736	93·0	93·0	77·0	16·0	0·734	0·81	29·564	28·830	.. .. ..	Ditto.
	5	29·746	92·0	92·0	77 0	15·0	0·745	0·82	29·577	28·832	.. .. ..	Hr. Cirrus.
	6	29·746	91·0	91·0	78·0	13·0	0·796	0·85	29·581	28·785	N. by E.	Hr. Cumulo Stratus.
	7	29·776	90·7	91·0	78·0	13·0	0·796	0·85	29·612	28·816	.. .. ..	5/8 Ditto.
	8	29·793	88·7	89·0	77·0	12·0	0·778	0·85	29·634	28·856	.. .. ..	6/8 Ditto.
	9	29·800	82·0	83·0	76·0	7·0	0·805	0·91	29·657	28·852	.. .. ..	7/8 Ditto.
	10	29·788	86·0	86·7	77·0	9·7	0·804	0·89	29·635	28·831	.. .. ..	7/8 Ditto.
	11	23·772	85·6	86 0	77·0	9·0	0·811	0·89	29·620	28·809	.. .. ..	7/8 Ditto.
	12	29·770	85·0	85·0	76·0	9·0	0·783	0·89	29·619	28·836	.. .. ..	6/8 Ditto.
	13	29·766	84·0	84·0	75·0	9·0	0·755	0·88	29·618	28·863	.. .. ..	8/8 Stratus.

East Longitude. H. M. S. 3·00·42. *North Latitude.* ° ′ ″ 12·44·00.

	Hour.	Barometer.		Dry & Wet bulb.			Moisture.		Barometer.		Direction of the Wind.	Clouds.
		Scale Reading.	Attached Ther.	Dry.	Wet.	Difference.	Pressure.	Relative.	Corrected for Expn. of Mercury.	Corrected for Moisture.		
7th AUGUST, 1846.	14	29·760	86°0	86°0	76°0	10°0	0·772	0·87	29·605	28·833	N. by E.	8/8 Stratus.
	15	29.778	87·0	87·0	77·0	10·0	0·800	0·88	29·622	28·822	.. .. ..	6/8 Ditto.
	16	29·778	86·0	86·0	77·0	9·0	0·811	0·89	29·624	28·813	.. .. .	8/8 Ditto.
	17	29·782	86·0	86·0	77·5	8·5	0·831	0·90	29·626	28·795	SW.	5/8 Ditto.
	18	29·800	86·0	86·0	77·0	9·0	0·811	0·89	29·646	28·835	.. .. ..	4/8 Cirro Stratus.
	19	29·826	86·0	86·0	76·0	10·0	0·772	0.87	29·672	28·900	.. .. ..	3/8 Ditto.
	20	29·830	89·0	89·0	77·0	12·0	0·778	0·85	29·669	28·891	.. .. ..	3/8 Ditto.
	21	29·878	90.5	90·5	78·0	12·5	0·802	0·85	29.714	28·912	.. .. ..	2/8 Ditto.
	22	29·900	91·0	91·0	78·0	13·0	0·796	0·85	29·733	28·937	.. .. ..	2/8 Ditto.
	23	29·876	91·7	92·0	79·0	13·0	0·827	0·85	29·711	29·884	.. .. ..	3/8 Ditto.
13th AUGUST, 1846.	Noon.	29·784	95·0	95.0	80·0	15·0	0·887	0·84	29·607	28·770	SW.	H Stratus ; Z. Cumulus.
	1	29·750	95·5	95·5	79·0	16·5	0·789	0·81	29 572	28·783	.. .. ..	Ditto. Ditto.
	2	29·734	96·0	96·0	78·0	18·0	0·741	0·79	29·554	28·813	.. .. ..	3/8 Cumulo Stratus.
	3	29·704	96·2	96·2	78·0	18·2	0·739	0·79	29·524	28·785	.. .. ..	4/8 Ditto.
	4	29·688	94·5	94·5	77·0	17·0	0·737	0·79	29·513	28·776	.. .. ..	7/8 Ditto.
	5	29·677	94·2	94·2	76·7	17·5	0·709	0·78	29·502	28·793	.. .. ..	6/8 Ditto.
	6	29·700	94·2	94·2	77·0	17·2	0·721	0·79	29·526	28·805	.. .. ..	5/8 Ditto.
	7	29·717	94·5	94·5	78·0	16·5	0·758	0·81	29·543	28·785	.. .. ..	W. Hr Stratus.
	8	29·732	94·0	94·0	77·0	17·0	0·723	0·79	29·558	28·835	.. .. ..	Hr. Cirrus ; Z. Clear.
	9	29·784	92·3	92·3	79·0	13·3	0·824	0·85	29·614	28·790	.. .. ..	3/8 Cirro Stratus.
	10	29·784	89·5	90·0	79·0	11·0	0·849	0·88	29·622	28·773	.. .. ..	3/8 Ditto.
	11	29·760	86·5	87·0	78·0	9·0	0·840	0·89	29·606	28·766	NE.	1/8 Cirrus.
	12	29·732	87·0	87·5	79·0	8·5	0·877	0·91	29·576	28·699	.. .. ..	2/8 Ditto.
	13	29·718	86·0	87·0	77·0	10·0	0·800	0·88	29·555	28·755	.. .. ..	1/8 Ditto.
	14	29·700	82·5	83·0	76·0	7·0	0·805	0·91	29·556	28·751	.. .. ..	2/8 Ditto.
	15	29·684	81·5	82·0	76·0	6·0	0·816	0·92	29·544	28·728	.. .. ..	1/8 Ditto.
	16	29·724	81·5	82·0	76·0	6·0	0·816	0·92	29·584	28·768	.. .. ..	1/8 Ditto.
	17	29·762	84·0	84·0	78·0	6·0	0·875	0·93	29·614	28·741	SW.	4/8 Ditto.
	18	29·800	87·0	87·0	80·0	7·0	0·924	0·92	29·644	28·720	.. .. ..	6/8 Cirro Stratus.
	19	29·822	86·5	86·5	78·0	8·5	0·846	0·90	29·668	28·822	.. .. ..	6/8 Ditto.
	20	29·848	86·7	86·7	87·0	9·7	0·804	0·89	29·693	28·889	.. .. ..	6/8 Ditto.
	21	29·860	87·0	87·0	77·0	10·0	0·800	0·88	29·704	28·904	.. .. ..	6/8 Cumulo Stratus.
	22	29·888	88·5	88·5	77·0	11·5	0·734	0·86	29·729	28·945	.. .. ..	6/8 Ditto.
	23	29·848	91·5	91·5	76·5	15·0	0·721	0·81	29·681	28·960	.. .. ..	6/8 Ditto.
18th AUGUST, 1846.	Noon.	29·830	97·6	97·4	80·0	17·4	0·811	0·81	29·646	28·835	W.	1/8 Cirrus.
	1	29·812	98·0	97·7	81·0	16·7	0·852	0·82	29·627	28·778	.. .. ..	1/8 Ditto.
	2	29·768	96·2	96·0	80·0	16·0	0·826	0·83	29·588	28·762	.. .. ..	Cirrus in the E.
	3	29·757	95·0	95·0	78·5	16·5	0·773	0·81	29·580	28·807	.. .. ..	Cirrus in the W.
	4	29·747	94·7	94·7	77·5	17·2	0·735	0·79	29·571	29·836	.. .. ..	Ditto.
	5	29·716	94·2	94·2	77·0	17·2	0·721	0.79	29·543	28·821	.. .. ..	Ditto.
	6	29·746	94·0	94·0	76·5	17·5	0·704	0·78	29·572	28·868	.. .. ..	2/8 Cirrus.
	7	29·754	94·0	94·0	76·5	17·5	0·704	0·78	29·580	28·876	.. .. ..	8/8 Stratus.
	8	29·770	87·0	87·0	79·0	8·0	0·882	0·91	29·603	28·721	.. .. ..	Stratus in the N. Hr.; Lightning in [N.E.
	9	29·854	87·0	87·0	76·0	11·0	0·761	0.86	29·687	28·926	N.	5/8 Stratus
	10	29.794	84·0	84·0	74·5	9·5	0·736	0·88	29·647	28·911	.. .. ..	N.
	11	29·750	84·5	84·5	74·5	10·0	0·731	0·87	29·601	28·870	.. .. ..	Ditto.
	12	29·788	84·0	84·0	74.0	10·0	0·718	0·87	29·640	28·922	.. .. ..	Ditto.
	13	29·774	83·0	83·5	74·0	9·5	0·723	0·88	29·628	28·905	.. .. ..	Ditto.
	14	29·780	82·0	82·5	75·0	7·5	0·772	0·90	29·637	28·865	.. .. ..	Ditto.
	15	29·792	84·0	84·0	77·0	7·0	0·833	0·92	29·644	28·811	.. .. ..	Ditto.
	16	29·814	87·0	87·0	80·0	7·0	0·924	0·92	29·658	28·734	W.	Clear.
	17	29·826	87·0	87·0	80.0	7·0	0·924	0·92	29·670	28·746	SW.	Ditto.
	18	29·835	87·0	87·0	80·0	7·0	0.924	0·92	28·679	28·755	.. .. ..	Ditto.
	19	29·848	89·0	89·0	79·0	10·0	0·860	0·89	29·687	28·827	.. .. ..	2/8 Cirrus.
	20	29·864	90·0	90·0	79·0	11·0	0·849	0·88	29·701	28·852	.. .. ..	3/8 Ditto.
	21	29·882	92·0	92·0	80·0	12·0	0·870	0·87	29·812	28·842	.. .. ..	3/8 Ditto.
	22	29·866	92·0	92·0	82·0	10·0	0·957	0·90	29·696	28·739	.. .. ..	2/8 Ditto.
	23	29·850	91·5	91.5	82·0	9·5	0·962	0·90	29·683	28·721	.. .. ..	3/8 Ditto.

East Longitude. H. M. S. 3·00·40. *North Latitude.* ° ′ ″ ‴ 12·46·26·80.

	Hour.	Barometer.		Dry and Wet bulb.			Moisture.		Barometer.		Direction of the Wind.	Clouds
		Scale Reading.	Attached Ther.	Dry.	Wet.	Difference.	Pressure.	Relative.	Corrected for Expn. of Mercury.	Corrected for Moisture.		
25th AUGUST, 1846.	Noon	29·816	96°·0	95°·7	78°·0	17°·7	0.747	0·79	29.638	28·891	SW.	4/8 Cumulus.
	1	29·846	96·8	96·4	78·0	18·4	0·737	0·79	29·663	28·926	.. .. ..	Cumulus in the SW.
	2	29·774	95·7	95·4	78·0	17·4	0·748	0.79	29·595	28·847	.. .. ..	Hr. Cumulus.
	3	29·778	95·2	95·0	76·5	18·5	0·693	0·77	29·600	28·907	.. .. ..	W. & N. Hr. Stratus
	4	29·768	95·2	95·0	76·5	18·5	0·693	0·77	29·590	28·897	.. .. ..	Ditto.
	5	29·760	96·2	96·0	77·0	19·0	0·701	0·77	29·579	28·878	.. .. ..	Hr. Stratus, 3/8 Cumulus.
	6	29·753	96.7	96·5	78·5	18·0	0·756	0·80	29·571	28·815	.. .. ..	Hr. Stratus, 4/8 Cumulus.
	7	29·784	96·7	96·5	79·0	17·5	0·778	0·80	29·602	28·824	.. .. ..	3/8 Stratus : Lightning in N.
	8	29·786	83·0	83·0	74·0	9·0	0·728	0·88	29.640	28·912	N.	3/8 Cirro Stratus.
	9	29·786	82·0	82·5	72·0	10·5	0·660	0·85	29·643	28·983	.. .. ..	1/8 Cirrus.
	10	29·768	80·0	80·7	72·0	8·7	0·680	0·88	29·630	28·950	.. .. ..	Clear.
	11	29·788	82·2	82·5	72·0	10·5	0·660	0·85	29·645	29·025	.. .. ..	Ditto.
	12	29·762	83·0	83 5	73·0	10·5	0·685	0·86	29·616	28·931	.. .. ..	Ditto.
	13	29·740	84·0	84·5	74·0	10·5	0·713	0·86	29·592	28·879	.. .. ..	Ditto.
	14	29·734	81·5	82·0	73·0	9·0	0·728	0·87	29·594	28·866	.. .. ..	Ditto.
	15	29·730	81·5	82·0	73·0	9·0	0.728	0·87	29·590	28·862	.. .. ..	Ditto.
	16	29·730	79·0	79·5	71·0	8·5	0·657	0·88	29·596	28·939	.. .. ..	4/8 Stratus
	17	29·750	78·0	78·5	71·0	7·5	0·668	0·89	29.619	28·951	.. .. ..	3/8 Ditto.
	18	29·776	76·0	76·5	71·0	5·5	0·690	0·92	29·649	28·959	.. .. ..	3/8 Ditto.
	19	29·820	86·0	86·0	79·0	7·0	0·871	0·92	29·666	28·795	SW.	3/8 Cumulo Stratus.
	20	29·844	84·5	84·5	78·0	6·5	0·868	0·92	29·695	28 827	.. .. ..	Hr. Stratus.; Z. Cirrus Stratus
	21	29·864	81·5	81·5	75·0	6·5	0·783	0·92	29·724	28·941	.. .. ..	Ditto.
	22	29·854	88·0	88·0	81·0	7·0	0·956	0·93	29·695	28·739	.. .. ..	3/8 Cumulo.
	23	29·840	86·5	86·5	79·0	7·5	0·919	0·91	29·685	28·766	N E.	1/8 Cirrus.
5th SEPTEMBER, 1846.	Noon.	29·954	96·4	96·0	80·0	16·0	0·826	0·82	29·772	28·946	SW.	1/8 Cirrus.
	1	29·884	97·2	97·0	81·0	16·0	0·859	0·83	29·699	28·840	.. .. ..	Hr. Cirrus.
	2	29·884	97·5	97·2	81·0	16·2	0·857	0·83	29·699	28·842	.. .. ..	Ditto.
	3	29·842	97·2	97·0	81·0	16·0	0·859	0·83	29·658	28·799	.. .. ..	Ditto.
	4	29·824	96·0	96·0	80·0	16·0	0·826	0·82	29.643	28·817	.. .. ..	Ditto.
	5	29·863	94·0	94·4	81·0	13·4	0·887	0·86	29·687	28·800	.. .. ..	Hr. Cumulus.
	6	29·870	91·0	91·2	77·0	14·2	0·754	0·83	29·704	28·950	.. .. ..	Ditto
	7	29·880	90·2	90·4	75·0	15·4	0·685	0·80	29·717	29·032	.. .. ..	Clear.
	8	29·888	90·5	90·5	75·0	15·5	0·684	0·80	29·724	29·040	.. .. ..	Ditto.
	9	29·892	89·0	89·2	76·0	13·2	0·737	0·83	29·731	28·994	NE.	Ditto.
	10	29·904	87·5	88·0	76·0	12·0	0·750	0·85	29·741	28·991	.. .. ..	2/8 Cumulo Stratus
	11	29·904	86·2	87·0	77·0	10·0	0·800	0·88	29·749	28·949	.. .. ..	3/8 Ditto.
	12	29·900	86·0	86·5	77·0	9·5	0·811	0·88	29·746	28·935	.. .. ..	4/8 Ditto.
	13	29·891	86·0	86·0	76·0	10·0	0·772	0·87	29·738	28·966	.. .. ..	5/8 Ditto.
	14	29 883	85·5	85·5	75·0	10·5	0·739	0·88	29·732	28·993	.. .. ..	3/8 Ditto
	15	29·863	85·5	85·5	75·0	10 5	0·739	0·88	29·712	28·973	.. .. ..	3/8 Cumulus.
	16	29·860	85·0	85·0	75·0	10·0	0·744	0·87	29·710	28·966	.. .. ..	2/8 Ditto.
	17	29·865	85·0	85·0	75·0	10·0	0·744	0·87	29·715	28.971	.. .. ..	4/8 Ditto
	18	29·870	85·0	85·0	75·0	10·0	0·744	0·87	29·720	28·986	SW.	3/8 Ditto.
	19	29·892	86·0	86·0	76·0	10·0	0·772	0·88	29·739	28·967	.. .. ..	3/8 Ditto.
	20	29·900	86·7	87·0	78·0	9·0	0·840	0·89	29·745	28·905	.. .. ..	3/8 Ditto.
	21	29·923	87·2	87·2	80·0	7·2	0·922	0·92	29 766	28·841	.. .. ..	3/8 Ditto.
	22	29·926	88·0	88·0	80·0	8·0	0·913	0·91	29·767	28·854	.. .. ..	1/8 Cirrus.
	23	29·906	89·0	89·0	80·0	9·0	0·902	0·90	29·744	28·842	.. .. ..	1/8 Ditto.
15th SEPTEMBER, 1846.	Noon·	29·869	96·5	95·0	83 4	11·6	0·988	0·89	29·687	28·699	W.	Hr. Stratus. 2/8 Cirrus
	1	29·820	96·5	96·0	82·0	14·0	0·913	0·86	29.638	28·725	.. .. ..	Ditto.
	2	29·810	96·5	96·0	80·0	16 0	0·826	0·82	29·628	28·802	.. .. ..	Ditto.
	3	29·795	96·0	95·5	80·0	15·5	0·832	0·83	29·615	28·783	.. .. ..	Ditto.
	4	29·784	95·0	94·8	79·0	15·8	0·797	0·82	29·607	28·810	.. .. ..	3/8 Cumulus.
	5	29·738	94·7	94·0	74·0	19·0	0·645	0.75	29·582	28 917	.. .. ..	3/8 Ditto.
	6	29·770	94·0	93·7	74·0	19·7	0·611	0.74	29·598	28·987	.. .. ..	3/8 Ditto.
	7	29·782	94·0	93·7	75·0	18·7	0·649	0·76	29·608	28·959	.. .. ..	3/8 Ditto.
	8	29·804	92·0	92·0	76·0	16·0	0·706	0·80	29·634	28·928	N.	7/8 Cirro Stratus
	9	29·826	91·5	91·5	78·0	13·5	0·791	0·84	29·659	28·868	.. .. ..	7/8 Ditto.
	10	29·836	90·0	90·5	78·0	12·5	0·802	0·85	29.673	28·871	.. .. ..	7/8 Ditto.
	11	29 830	89·5	90·4	78·0	12·4	0·803	0·85	29·668	28·865	.. .. ..	7/8 Ditto.
	12	29·830	89·0	89·5	78·0	11.5	0·813	0 87	29·669	28·856	.. .. ..	7/8 Stratus.
	13	29·824	88·0	88·5	79·0	9·5	0·866	0.89	29·666	28·800	.. .. ..	6/8 Ditto.

East Longitude. H. M. S. 3·00·40. *North Latitude.* ° ′ ″ ‴ 12·46·26·80.

Hour.		Barometer.		Dry and Wet bulb.			Moisture.		Barometer.		Direction of the Wind.	Clouds.
		Scale Reading.	Attached Ther.	Dry.	Wet.	Difference.	Pressure.	Relative.	Corrected for Expn. of Mercury.	Corrected for Moisture.		
15th SEPT. 1846.	14	29·820	87·5	88·0	80·0	8·0	0·913	0·91	29·663	28·750	E. by S.	* Nimbus with Rain.
	15	29·860	87·3	87·7	80·0	7·7	0·914	0·92	29·703	28·789	N. E.	* Hr. Nimbus ; Z. Clear.
	16	29·865	85·0	85·2	75·0	10·2	0·742	0·87	29·714	28·972	.. .. ..	* Ditto.
	17	29.878	84·7	85·0	75.0	10·0	0·744	0·87	29·728	28·984	.. .. ..	* Nimbus with Rain.
	18	29·825	85·0	85·2	75·0	10·2	0·742	0·87	29·674	28·932	S. E.	1/8 Cirro Stratus.
	19	29·870	87·5	87 5	76·0	11·5	0·756	0·86	29.723	28·967	S.	5/8 Cumulus.
	20	29·870	88·5	88·5	78·0	10·5	0 824	0·88	29·711	28·887	.. .. ..	5/8 Ditto.
	21	29·880	90·0	90·0	78·0	12·0	0·807	0·86	29·716	28·909	S. W.	4/8 Cumulo Stratus
	22	29·892	92·5	92·0	78·7	13·3	0·814	0·86	29·721	28·907	S. W.	4/8 Ditto.
	23	29·886	93·5	93·0	78·0	15·0	0·774	0·82	29·712	28·948	.. .. ..	3/8 Cumulo Stratus.
20th SEPT. 1846.	18	29·844	90·0	90·2	81·0	9·2	0·932	0·90	29·680	28·748	W. by S.	5/8 Cumulo Stratus.
	19	29·847	90·0	90·2	81·0	9·2	0·932	0·90	29·683	28·751	.. .. ..	7/8 Ditto.
	20	29·864	90.0	90·2	81·0	9·2	0·932	0·90	29·700	28·768	.. .. ..	6/8 Ditto.
	21	29·868	90·5	91·0	81·0	10·0	0·924	0·90	29·704	28·780	.. .. ..	5/8 Ditto.
	22	29·878	94·8	94·5	82·0	12·5	0·930	0·87	29·701	28·771	.. .. ..	1/8 Cirrus.
	23	29·846	96·0	96·0	81·0	15·0	0·869	0·84	29·666	28·797	.. .. ..	1/8 Ditto.
21st SEPTEMBER, 1846.	Noon.	29·832	98·2	98·0	82·0	16·0	0.892	0·84	29·647	28·755	.. .. ..	1/8 Ditto.
	1	29·818	100·5	100·5	83·0	17·0	0.915	0·83	29·627	28·712	.. .. ..	1/8 Cumulus.
	2	29·788	100·5	100·0	83·5	16·5	0·937	0·84	29·597	28·660	.. .. ..	1/8 Ditto.
	3	29·768	98·2	98·2	82·0	16·2	0·892	0·83	29·584	28·692	.. .. ..	2/8 Cirro Stratus.
	4	29·780	95·0	95·0	83·0	12·0	0·969	0 88	29·603	28·634	.. .. ..	3/8 Ditto.
	5	29·800	94·0	94·3	80·3	14·3	0·845	0·84	29·627	28·782	.. .. ..	3/8 Ditto.
	6	29·818	93·0	93·0	75·0	18·0	0·656	0·79	29·645	28·989	N.	7/8 Stratus ; Storm of dust.
	7	29·828	91·0	91·0	73·5	17·5	0·621	0·76	29·656	29·035	.. .. ..	7/8 Stratus.
	8	29·814	91·0	91·0	74·0	17·0	0·640	0·77	29·648	29·008	.. .. ..	1/8 Cirrus.
	9	29·838	90·0	90·5	77·0	13.5	0·762	0·84	29·669	28·907	.. .. ..	Clear.
	10	29·850	90·5	90·5	76·0	14·5	0·723	0·82	29·686	28·963	.. .. ..	Ditto.
	11	29·850	90·0	90.0	76·5	13·5	0·748	0·83	29·687	28·939	.. .. ..	1/8 Cirro Stratus.
	12	29·850	91·0	91·0	81·0	10·0	0·924	0·89	29·684	28·760	.. .. ..	3/8 Ditto.
	13	29·850	91·0	91·0	81·0	10·0	0·924	0·89	29·684	28·760	.. .. ..	3/8 Stratus.
	14	29·850	90·5	90·5	81·5	9·0	0·950	0·90	29·686	28·736	.. .. ..	4/8 Ditto.
	15	29·854	90·0	90·0	82·0	8·0	0·978	0·92	29·687	28·709	.. .. ..	7/8 Ditto.
	16	29·862	89·5	89·5	81·0	8·5	0·940	0 91	29·700	28·760	.. .. ..	6/8 Ditto.
	17	29·884	89·0	89·0	80·0	9·0	0·902	0·90	29·723	28·821	.. .. ..	5/8 Ditto.
	18	29·900	88·4	88·4	79·0	9·4	0·867	0·89	29·740	28·863	.. .. ..	4/8 Ditto.
	19	29·934	89·0	89·0	80·0	9·0	0·902	0·90	29·772	28 870	W. by S.	4/8 Ditto.
	20	29·963	90·0	90·2	80·0	10·2	0·890	0·89	29·798	28·908	.. .. ..	3/8 Ditto.
	21	29·974	94·5	94·0	81·0	13·0	0·891	0·86	29·798	28·907	.. .. ..	Hr. Stratus 2/8 Cirrus
	22	29·964	95·7	95·0	82·0	13·0	0·924	0·88	29·782	28·858	.. .. ..	Ditto.
	23	29·940	96·0	95·4	81·0	14·4	0·876	0·85	29·759	28·883	.. .. ..	3/8 Cirrus.
22d SEPT. 1846.	Noon.	29·932	97·4	97·0	81·0	16·0	0.859	0·83	29·748	28·889	.. .. ..	2/8 Ditto.
	1	29·886	98·0	97,5	80·0	17·5	0·810	0·81	29·701	28 891	.. .. ..	3/8 Ditto.
	2	29·876	98·0	97·5	80·0	17·5	0·810	0·81	29·691	28·881	.. .. ..	3/8 Ditto.
	3	29·843	97 5	97·0	78·0	19 0	0·730	0·78	29·659	28·929	.. .. ..	3/8 Ditto
	4	29·832	96·7	96·0	76·0	20·0	0·662	0·75	29·651	28·989	.. .. ..	4/8 Ditto.
	5	29·836	96·2	96·0	76·0	20·0	0·662	0·75	29·655	28·993	.. .. ..	4/8 Cumulo Stratus.
	6	29·840	95·5	95·5	76·0	19·5	0·668	0·76	29·661	28·993	.. .. ..	4/8 Ditto.
28th SEPTEMBER, 1846.	Noon	29·936	92·2	92·2	82·0	10·2	0·954	0·90	29·766	28·812	West.	Hr. Cumulus, 1/8 Cirrus.
	1	29·900	92·0	92.0	82·0	10·0	0·957	0·90	29·730	28·773	.. .. ..	1/8 Cirrus.
	2	29·896	91·7	91·7	81 7	10·0	0·949	0·89	29·729	28·780	.. .. ..	1/8 Ditto.
	3	29·870	91·0	91·0	80·0	11·0	0·881	0·88	29·704	28·823	.. .. ..	1/8 Ditto.
	4	29·880	90·5	90·5	80·0	10·5	0·887	0·89	29·716	28·829	.. .. ..	1/8 Ditto.
	5	29·866	89·5	89·5	81·0	8·5	0·940	0·91	29·704	28·764	.. .. ..	1/8 Ditto.
	6	29·882	88·2	88·2	80·0	8·2	0·911	0·91	29·724	28·813	North.	1/8 Ditto.
	7	29·922	87·0	87·0	79·0	8 0	0·882	0·91	29.765	28·883	.. .. ..	Clear.
	8	29·934	87·0	87·0	79·0	8·0	0·882	0·91	29·777	28·895	.. .. ..	Ditto.
	9	29·942	86·5	86·5	79·0	7·5	0·888	0·91	29·787	28·899	.. .. ..	Ditto.
	10	29·962	86·5	86·5	79·0	7.5	0·888	0·91	29·807	28·919	.. .. ..	Ditto.
	11	29·926	86·0	86 ·2	79·0	7·2	0·891	0·92	29·771	28·880	.. .. ..	Ditto.
	12	29·900	85·5	85·5	78·0	7·5	0·856	0·91	29·747	28·891	.. .. ..	Ditto.
	13	29·892	85·5	85·0	78·0	7·0	0·862	0·92	29·740	28·878	.. .. ..	Ditto.
	14	29·884	85·0	85·0	76·0	9·0	0·783	0·89	29·733	28·950	.. .. ..	Ditto.

* Thunder and Lightning.

East Longitude. H. M. S. 3·00·40. *North Latitude.* ° ′ ″ ‴ 12·46·26·80.

	Hour.	Barometer.		Dry and Wet bulb.			Moisture.		Barometer.		Direction of the Wind.	Clouds.
		Scale Reading.	Attached Ther.	Dry.	Wet.	Difference.	Pressure.	Relative.	Corrected for Epn. of Mercury.	Corrected for Moisture.		
28th SEPT. 1846.	15	29·884	84°0	84°0	74°0	10°0	0·718	0·87	29·736	29·028	North.	Clear.
	16	29·890	84·0	84·0	74·0	10.0	0·718	0·87	29·742	29·024	.. .. ..	Ditto.
	17	29·912	84·0	84·0	74·0	10·0	0·718	0·87	29·763	29·045	.. .. ..	2/8 Cirrus
	18	29·923	83·0	83·2	74·0	9·2	0·726	0.88	29·776	29·050	SW.	3/8 Cumulus.
	19	29·950	87·0	87·0	80·0	7·0	0·924	0·92	29·793	28·869	.. .. ..	4/8 Ditto.
	20	29·972	88·2	88·2	80·0	8·2	0·911	0·91	29·813	28·902	.. .. ..	5/8 Ditto.
	21	29·980	91·0	90·4	81·0	9·4	0·930	0·90	39·813	28·883	.. .. ..	6/8 Ditto.
	22	29·974	92·7	92·0	81·0	11·0	0·913	0·89	29·803	28 890	.. .. ..	6/8 Ditto.
	23	29·974	93·0	92·5	82·0	10·5	0·952	0·89	29·799	28·827	.. .. ..	Clear.
5th OCTOBER, 1846.	Noon.	30·060	87·7	88·0	78·0	10°0	0.829	0·88	29·901	29·072	E. by N.	6/8 Cirro Stratus.
	1	30·045	88·0	88·0	78·0	10·0	0·829	0·88	29·885	29·056	.. .. ..	4/8 Cirro Cumulus.
	2	30·040	87·3	87·0	78 0	9·3	0·837	0·89	29·883	29·046	.. .. ..	4/8 Ditto.
	3	30·000	87·0	87·0	78·0	9·0	0·840	0·89	29·843	29·003	.. .. ..	6/8 Cumulo Stratus.
	4	30·034	85·5	85·0	77·0	8 0	0·822	0·90	29·881	29·059	.. .. ..	5/8 Ditto.
	5	30·036	84 8	84·8	76·5	8 3	0·803	0·90	29·885	29·082	.. .. ..	3/8 Ditto.
	6	30·066	84·2	84·2	76·8	7·4	0·825	0·91	29·916	29·091	.. .. ..	4/8 Ditto.
	7	30·074	84·0	84·0	76·0	8·0	0·794	0·90	29·924	29·130	NE.	3/8 Cirro Stratus.
	8	30·104	84·5	84·5	76·5	8·0	0·808	0·90	29·952	29.144	.. .. ..	4/8 Ditto.
	9	30·116	84·2	84·2	77·0	7·2	0·831	0·91	29·965	29·134	.. .. ..	5/8 Ditto.
	10	30·134	83·5	83·5	77·0	6·5	0·839	0·92	29·985	29·146	.. .. ..	3/8 Ditto.
	11	30·100	83·0	83·0	76·5	6·5	0·825	0·92	29·952	29·127	.. .. ..	3/8 Ditto.
	12	30·085	83 0	83·0	76·0	7·0	0·805	0·91	29·938	29·133	.. .. ..	2/8 Ditto.
	13	30·072	82·5	82·5	76·0	6·5	0.811	0·92	29·926	29·115	.. .. ..	2/8 Ditto.
	14	30·063	82·0	82·0	75·0	7·0	0·777	0·91	29·919	29·142	.. .. ..	1/8 Ditto.
	15	30·050	81·5	81·5	75·0	6·5	0.785	0·92	29·907	29·112	.. .. ..	2/8 Cirrus.
	16	30·050	80·0	80·0	74·0	6·0	0·761	0·92	29·912	29·151	.. .. ..	2/8 Ditto
	17	30·050	79·0	79·0	73·0	6·0	0.735	0·92	29·915	29·180	.. .. ..	H.
	18	30·074	80·0	80·0	74·0	6.0	0·761	0·92	29·936	29·175	.. .. ..	Clear.
	19	30·090	83·0	83·0	75 0	8·0	0·766	0·90	29·943	29·177	.. .. ..	Ditto.
	20	30·126	84·5	84·2	75.0	9·2	0·781	0·88	29·974	29·193	.. .. ..	Ditto.
	21	30·174	85·7	85·2	75·0	10·2	0·742	0·87	30·019	29·277	.. .. ..	Ditto.
	22	30·150	86·3	86·0	76·0	10·0	0·772	0·88	29·994	29·222	.. .. ..	Ditto
	23	30·156	86 7	86·5	77·0	9·5	0·806	0·89	29·999	29·193	.. .. ..	Ditto.
14th OCTOBER, 1846.	Noon.	30·074	89·0	89·0	79·5	9·5	0·881	0·89	29·911	29.030	E.	E. Hr. Cumulus, 1/8 Cirrus
	1	30·036	89·5	89·2	78·0	11·2	0·816	0.87	29·871	29.055	.. .. ..	Ditto.
	2	30·030	89·0	89·0	77·0	12·0	0·778	0·86	29·867	29 089	.. .. ..	Ditto.
	3	30·026	88·2	88·2	75·0	13·2	0·709	0.83	29·865	29·156	.. .. ..	Clear.
	4	30·026	87·0	87·0	75·0	13·0	0·711	0·83	29·859	29·149	.. .. ..	Ditto.
	5	30.036	85·7	85·7	76·0	9·7	0·776	0·88	29·882	29·206	.. .. ..	Ditto.
	6	30·052	84 0	84·0	75·5	8·5	0·776	0·89	29·902	29·126	.. .. ..	Ditto.
	7	30·072	83·8	83.8	75·0	8·8	0·758	0·89	29·923	29·165	.. .. ..	Ditto.
	8	30·078	83·8	83·8	75·0	8.8	0·758	0·89	29·929	29·171	.. .. ..	Ditto.
	9	30·100	83·0	83·0	75·0	8·0	0·766	0 90	29·953	29·187	.. .. ..	Ditto
	10	30·110	82·5	82·5	75·0	7·5	0·772	0·90	29·963	29·191	.. .. ..	Ditto.
	11	30 064	82·0	82·0	75·0	7·0	0·777	0·91	29·920	29·143	.. .. ..	Ditto.
	12	30·036	81·8	81·8	75·0	6·8	0·780	0·91	29·893	29·113	.. .. ..	Ditto.
	13	30 034	81·8	81·8	75·0	6·8	0·780	0·91	29·891	29·111	. .. ..	Ditto.
	14	30.023	81·0	81·0	73·0	8·0	0·713	0·89	29·882	29·169	.. .. ..	Ditto.
	15	30·010	80·0	80·0	72·0	8·0	0·682	0·88	29·872	29·185	.. .. ..	Ditto
	16	30·014	78·0	78·0	68·0	10·0	0·571	0·84	29·881	29·310	.. .. ..	Ditto.
	17	30·016	74·0	74·0	63·0	11·0	0·457	0·79	29.893	29·436	.. .. ..	Ditto.
	18	30·024	73·2	73·2	62·5	10·7	0·451	0·80	29·903	29·452	.. .. .	Ditto.
	19	30 031	80·0	79·5	67·0	12·5	0·522	0·79	29·895	29·353	.. .. ..	Ditto.
	20	30·074	84.8	84·8	75·0	9·8	0·747	0·88	29·923	29·176	.. .. ..	Ditto
	21	30·084	86·0	86·0	77·0	9·0	0·811	0·89	29·929	29·118	.. .. ..	Ditto
	22	30·096	87·5	87·5	78·0	9·5	0·835	0·89	29·935	29·100	.. .. ..	Ditto.
	22	30·046	88·0	88·0	78 0	10·0	0·829	0·88	29·886	29·057	.. .. ..	Ditto.

East Longitude. H. M. S. 3·00·40. *North Latitude.* ° ′ ″ ‴ 12·46·26·80.

	Mean Time.	Barometer.		Dry and Wet bulb.			Moisture.		Barometer.		A Thermometer in the Sun.	Direction of the Wind.	Notes.
		Scale Reading.	Attached Ther.	Dry.	Wet.	Difference.	Pressure.	Relative.	Corrected for Expn. of Mercury.	Corrected for Moisture.			
	H. M.												
18th OCTOBER, 1846.	18 0	30·082	81°0	81°0	74°0	7°0	0·750	0·90	29·941	29·191	....	NE.	6/8 Cirro Stratus.
	18 10	30·090	81·0	81·0	74·0	7.0	0·750	0·90	29·949	29·199	....	.. .. ..	6/8 Ditto.
	18 20	30·102	81·2	81·2	74·0	7·2	0·748	0·90	29·961	29·212	....	.. .. ..	6/8 Ditto.
	18 30	30·114	81·0	81·0	73·0	8·0	0·743	0·89	29·972	29·260	....	.. .. ..	6/8 Ditto.
	18 40	30·124	81·2	81·2	73·5	7·7	0·731	0·89	29·982	29·251	....	.. .. ..	6/8 Ditto.
	18 50	30·128	81·2	81·2	73·5	7·7	0·731	0·89	29·986	29·255	....	.. .. ..	6/8 Ditto.
	19 0	30·130	81·3	81·3	73·0	8·3	0·710	0·89	29·988	29·278	88°0	.. .. ..	6/8 Ditto.
	19 10	30·130	81·5	81·5	73·0	8·3	0·710	0.88	29·987	29·277	88·0	.. .. ..	6/8 Ditto.
	19 20	30.132	81·5	81·5	73·0	8·5	0·710	0·88	29·989	29·279	89·0	.. .. ..	7/8 Ditto.
	19 30	30·136	81·7	82·0	74·0	8·0	0·739	0·89	29·993	29·254	90·0	.. .. ..	7/8 Ditto.
	19 40	30·138	82·0	81·5	74·0	7·5	0·745	0·90	29·993	29·248	91·0	.. .. ..	7/8 Ditto.
	19 50	30·138	82·2	81·7	74·0	7·7	0·743	0.90	39.992	29 249	92·0	.. .. ..	5/8 Ditto.
	20 0	30·140	82·5	81·7	74·0	7·7	0·743	0·90	29·993	29·249	93·0	.. .. ..	5/8 Ditto.
	20 10	30·140	82·5	82·0	74·0	8·0	0·739	0·89	30·001	29·262	93·0	.. .. ..	5/8 Cirro Stratus.
	20 20	30·152	82·7	82·2	74·0	8·2	0·737	0·89	30·005	29·268	93·2	.. .. ..	5/8 Ditto.
	20 30	30·152	83·0	82·5	74·0	8·5	0·734	0·89	30·004	29·270	96·0	.. .. ..	2/8 Cumulus ; 3/8 Cirro Stratus.
	20 40	30·162	83·2	82·7	74·0	8·7	0·732	0·89	30·013	29·282	100·0	.. .. ..	4/8 Stratus ; 2/8 Cumulo Stratus.
	20 50	30·164	84·2	83·7	74·5	9·2	0·739	0·88	30·012	29·273	107·0	.. .. ..	2/8 Cirro Stratus. 4/8 Cumulo Stratus.
	21 0	30·154	84·7	84·0	75·0	9·0	0·755	0·88	30·001	29·246	104·0	.. .. ..	2/8 Ditto.
	21 10	30·154	84·5	84·0	74·3	9·5	0·737	0·87	30·001	29·264	100·0	.. .. ..	2/8 Ditto.
	21 20	30·164	84·5	84·0	74·5	9·5	0·737	0·87	30·011	29·274	100·0	.. .. ..	2/8 Ditto.
	21 30	30·160	84·5	84·0	74·0	10·0	0·718	0·87	30·007	29·289	103·0	.. .. ..	5/8 Cirro Stratus.
	21 40	30·164	84·5	84·0	74·0	10·0	0·718	0·87	30·011	29·293	104·0	.. .. ..	5/8 Ditto.
	21 50	30·159	85·0	84·5	74·5	10·0	0·731	0·87	30·105	29·274	110·0	.. .. ..	5/8 Ditto.
	22 0	30·148	85·5	84·8	74·5	10·3	0·730	0·87	29·992	29·262	114·0	.. .. ..	Hr. Cumulus, 2/8 Cirrus.
	22 10	30·142	85·7	85·0	74.5	10·5	0·726	0·86	29·986	29·260	114·0	.. .. ..	Ditto.
	22 20	30.142	85·5	85·0	74·5	10·5	0·726	0·86	29·986	29·260	114·0	.. .. ..	Ditto.
	22 30	30.133	86·0	85·4	74·5	10·9	0·722	0·86	29·975	29·253	115·0	.. .. ..	Hr. Cumulus.
	22 40	30.110	86·0	85·4	74·0	11·4	0·702	0·85	29·954	29·252	118·0	.. .. ..	Ditto.
	22 50	30·120	86·5	85·8	74 0	11 8	0·698	0·85	29·962	29·264	120·0	.. .. ..	Ditto.
	23 0	30·120	86·5	86·0	74·0	12·0	0·695	0·84	29·962	29·267	120·0	.. .. ..	Ditto.
	23 10	30·142	86·5	86·0	74·0	12·0	0·695	0·84	29·956	29·261	120·0	.. .. ..	Ditto.
	23 20	30·108	86·5	86·0	74·0	12·0	0·695	0·84	29·950	29·255	122·0	.. .. ..	Ditto.
	23 30	30 108	86·5	86·0	75·0	11·0	0·706	0·85	29·950	29·244	122·0	.. .. ..	Ditto.
	23 40	30·108	86·7	86·0	75·0	11·0	0·706	0·85	29·950	29·244	123·0	.. .. ..	Ditto.
	23 50	30·100	86·5	86·0	74·2	11·8	0·701	0·85	29·942	29·241	120·0	.. .. ..	Ditto.
	Noon.	30·078	86·7	86·0	75·0	11·0	0·733	0·85	29·911	29·178	120·0	.. .. ..	Ditto.
19th OCTOBER, 1846.	18 0	30·060	80·5	80·5	73·0	7·5	0·719	0·90	29·920	29·202	....	NE.	3/8 Cirro Stratus.
	18 10	30·064	80·5	80·5	73·0	7·5	0·719	0·90	29·924	29·205	....	.. .. ..	2/8 Ditto.
	18 20	30·080	80·8	80·5	73·5	7·0	0·724	0·90	29·939	29·215	....	.. .. ..	Hr Cumulus ; 1/4 Stratus.
	18 30	30·092	81.0	80·6	73·5	7·0	0·723	0·90	29·950	29·224	....	.. .. ..	Ditto, Ditto.
	18 40	30 098	81·4	80·7	73·5	7·2	0·722	0·90	29·955	29·253	....	.. .. ..	Hr. Cirro Stratus.
	18 50	30·098	82·0	81·0	73·5	7·5	0·732	0·90	29·954	29·222	....	.. .. ..	Ditto.
	19 0	30·112	82·0	81·0	73·5	7·5	0.732	0·90	29·968	29·236	88·0	.. .. ..	3/8 Cumulo Stratus.
	19 10	30·116	82·2	81·4	74·0	7·4	0·746	0·90	29·970	29·224	90·0	E.	4/8 Ditto.
	19 20	30·120	82·8	82·2	74·0	8·2	0·737	0·89	29·973	29·236	93·0	.. .. ..	3/8 Ditto.
	19 30	30·128	82·8	82·2	74·0	8·2	0·737	0·89	29·981	29·244	93·0	.. .. ..	3/8 Ditto.
	19 40	30·130	83·0	82·4	74·0	8·4	0·735	0·89	29·983	29·248	92·0	.. .. ..	3/8 Ditto.
	19 50	30·140	83·0	32·6	74·0	8·6	0.733	0·89	29·993	29·260	100·0	.. .. ..	3/8 Ditto.
	20 0	30·146	83·5	82·8	74·5	8·3	0·749	0·89	29·996	29·247	105·0	.. .. ..	3/8 Ditto
	20 10	30·148	84·5	83·0	74·5	8·5	0·747	0·89	29.995	29·248	110·0	.. .. ..	1/8 Ditto.
	20 20	30·124	84·5	83·0	74·5	8·5	0·747	0·89	29·971	29·224	112·0	.. .. ..	1/8 Ditto.
	20 30	30·128	84·5	83·4	74·5	8·9	0·742	0 88	29·975	29·233	113·0	.. .. ..	2/8 Ditto.
	20 40	30·128	84·5	83·5	74·5	9·0	0·741	0·88	29·975	29·234	113·5	.. .. ..	2/8 Cumulus.
	20 50	30·134	84·5	83·5	74·5	9·0	0·741	0·88	29·981	29·240	113·0	.. .. ..	2/8 Ditto.
	21 0	30·146	84·5	83.5	74·5	9·0	0·741	0·88	29·993	29·252	113·5	.. .. ..	2/8 Cirro Stratus.
	21 10	30·144	84·5	83·5	75·0	8·5	0·761	0·89	29·991	29·230	112·0	.. .. ..	1/8 Cumulus.
	21 20	30·128	84·5	83·5	75·0	8·5	0·761	0·89	29·975	29·214	111·4	.. .. ..	1/8 Cumulus ; 1/8 Cirrus.
	21 30	30·150	84·5	83·5	75·0	8·5	0·761	0·89	29·997	29·236	112·0	.. .. ..	2/8 Cirro Stratus.
	21 40	30·125	85·0	84·0	75·0	9·0	0·755	0·88	29·974	29·219	113·0	.. .. ..	2/8 Ditto.
	21 50	30·152	85·0	84·0	75·0	9.0	0·755	0·88	29·998	29·243	113·0	.. .. ..	1/8 Ditto.

HOURLY METEOROLOGICAL OBSERVATIONS TAKEN AT ADEN.

East Longitude. H. M. S. 3·00·40. *North Latitude.* ° ′ ″ ‴ 12·46·26·80.

	Mean Time	Barometer		Dry and Wet bulb.			Moisture.		Barometer.		A Thermometer in the Sun.	Direction of the Wind.	[illegible]
		Scale Reading.	Attached Ther.	Dry.	Wet.	Difference.	Pressure.	Relative	Corrected for Expn. of Mercury.	Corrected for Moisture.			
	H. M.												
19th OCTOBER, 1846.	22 0	30·148	85·0	84·0	75·0	9·0	0·755	0·88	29·994	29·239	116·5	E.	2/8 Cumulus.
	22 10	30·146	85·0	84·0	75·5	8·5	0·775	0·89	29·992	29·217	120·0	.. .. ..	1/3 Ditto.
	22 20	30·146	85·2	84·2	75·5	8·7	0·773	0·89	29·991	29·218	122·0	.. .. ..	1/3 Ditto
	22 30	30·148	85·3	84·2	75·0	9·2	0·753	0·88	29·993	29·240	123·0	.. .. ..	1/4 Ditto
	22 40	30·140	85·2	84·2	75·0	9·2	0·753	0·88	29·985	29·232	120 0	.. .. ..	4/4 Ditto
	22 50	30.110	85·2	84·2	75·5	8·7	0·773	0·88	29·956	29·183	124·0	.. .. ..	2/8 Ditto.
	23 0	30·120	85·5	85·0	75·2	9·8	0·752	0·88	29·965	29·213	123·0	.. .. ..	3/3 Ditto.
	23 10	30·140	85·5	85·0	75·0	10·0	0·744	0·87	29·985	29·241	124·0	.. .. ..	2/8 Cirro Stratus
	23 20	30·130	85.7	85·2	75·7	9·5	0·769	0·88	29·975	29·206	126·0	.. .. ..	2/3 Ditto
	23 30	30·122	86·0	85·0	76·0	9·0	0·783	0·89	29·966	29·183	128·0	.. .. ..	2/8 Ditto
	23 40	30·088	86·5	85·5	75·5	10·0	0·758	0·87	29·932	29·184	127·0	.. .. ..	Hr. Cumulus.
	23 50	30·088	86·6	85·6	75 0	10·6	0·738	0·86	29·932	29·194	127 0	.. .. ..	Ditto
	Noon.	30·074	86 6	85·6	75·0	10·6	0·738	0·86	29·918	29·180	128·0	.. .. ..	Ditto.
20th OCTOBER, 1846	18 0	30·020	81·0	81·0	75·0	6·0	0·788	0·92	29·879	29·091	....	E.	3/4 Cumulo Stratus.
	18 10	30·024	81·1	81·0	75·0	6·0	0 788	0·92	29·883	29·095	....	.. .. ..	2/3 Ditto.
	18 20	30·034	81·5	81·5	75 0	6·5	0·783	0·92	29·891	29·108	....	.. .. ..	1/8 Ditto.
	18 30	30·034	81·5	81·5	75·0	6·5	0·783	0·92	29·891	29·108	...	.. .. ..	3/8 Ditto
	18 40	30·038	82·0	82·0	75·0	7·0	0·777	0·91	29·894	29·117	....	.. .. ..	4/8 Ditto
	18 50	30·042	82·0	82·0	75·0	7·0	0·777	0·91	29·897	29·120	....	.. .. ..	5/8 Ditto.
	19 0	30·053	82·4	82·2	75·0	7.2	0·775	0·91	29·908	29·123	88·0	.. .. ..	4/8 Ditto.
	19 10	30·058	82·4	82·4	75·5	6·9	0·793	0.91	29·913	29·120	88·0	.. .. ..	4/8 Ditto.
	19 20	30·060	82·7	82·5	75·5	7 0	0·791	0·91	29·914	29 123	90·0	.. .. ..	4/8 Ditto
	19 30	30·064	83·5	83·5	75·5	8·0	0·780	0·89	29·915	29·135	92·0	.. .. ..	3/8 Ditto.
	19 40	30·070	84·2	84·2	75·5	8·7	0.773	0·89	29·920	29·147	92 0	.. .. ..	3/6 Ditto.
	19 50	30·078	84·2	84·2	75·0	9·2	0·753	0·88	29·928	29·175	91·0	.. .. ..	3/[illegible] Ditto.
	20 0	30·084	84·5	84·5	75·0	9·5	0·750	0·88	29·933	29·183	[illegible]·0	.. .. ..	3/[illegible] Ditto.
	20 10	30·096	85·0	85·0	75·0	10·0	0·744	0·87	29·944	29·200	100·0	.. .. ..	3/[illegible] Ditto.
	20 20	30·098	85·2	85·0	75 0	10·0	0.744	0·87	29·945	29·201	101·0	.. .. ..	2/[illegible] Ditto.
	20 30	30·098	85·2	85 2	75·0	10·0	0·742	0·87	29·945	29·203	106·0	.. .. ..	3/4 Ditto
	20 40	30·099	85·2	85·2	75·0	10·2	0·742	0·87	29 946	29·204	110·0	.. .. ..	1/3 Ditto
	20 50	30·100	85·5	85·5	75·0	10·5	0 739	0·87	29·945	29·206	110·0	.. .. ..	3/4 Ditto
	21 0	30·104	85·2	85·5	75·0	10·5	0·739	0·87	29·950	29·211	108 0	.. .. ..	1/3 Ditto.
	21 10	30·106	86·0	86·0	75·0	11·0	0·733	0·86	29·948	29·215	106·0	.. .. ..	3/5 Ditto.
	21 20	30·120	86·0	86·0	75·5	10·5	0·753	0·87	29·962	29·209	110·0	.. .. ..	3/8 Cumulus
	21 30	30·118	86·5	86·5	75·5	11·0	0·747	0·87	29 960	29·213	114·0	.. .. ..	3/[illegible] Ditto
	21 40	30·120	86.5	86 5	75·5	11·0	0.747	0 87	29·962	29·215	116·0	.. .. ..	2/[illegible] Ditto
	21 50	30·126	86·5	86·5	75·5	11.0	0·747	0·87	29·968	29·229	115·0	.. .. ..	3/8 Ditto.
	22 0	30·128	86·5	86·5	75·5	11·0	0·747	0·87	29·970	29·223	117·0	.. .. ..	3/[illegible] Ditto
	22 10	30·110	87 0	87·0	77·0	10·0	0·800	0·88	29·952	29·152	117·5	.. .. ..	Cumulus in N., Cirrus in S.
	22 20	30·108	87·5	87·5	77·5	10·0	0·814	0·88	29·948	29·134	120·0	.. .. ..	Ditto
	22 30	30·104	87·5	87·5	78·0	9·5	0·835	0·89	29·944	29·109	121·0	.. .. ..	Hr. Cumulus
	22 40	30·100	88·0	88·0	78·0	10·0	0·829	0·88	29·939	29·110	120·0	.. .. ..	Ditto
	22 50	30·098	88·0	88·0	77·0	11·0	0·789	0·87	29·938	29·149	124·0	.. .. ..	Ditto
	23 0	30·088	88·0	88·0	77.0	11·0	0·789	0·87	29·928	29·139	123·0	.. .. ..	Ditto
	23 10	30·088	88·2	88·2	77·0	11·2	0·787	0·87	29·927	29.140	120·0	.. .. ..	Ditto.
	23 20	30·088	88·2	88·2	77·0	11·2	0·787	0·87	29·927	29·140	122·0	.. .. ..	Ditto
	23 30	30·088	88·2	88·2	77.0	11·0	0·789	0·87	29·927	29·138	122·0	.. .. ..	2/[illegible] Ditto
	23 40	30·088	88·3	88·3	77·0	11·0	0·789	0·87	29·927	29·138	124·0	.. .. ..	5/8 Cumulo Strati
	23 50	30·084	88·4	88·4	77·0	11·4	0·785	0·86	29·923	29·138	120·0	.. .. ..	3/4 Ditto.
	Noon	30·082	88·7	88·7	77·0	11·7	0·782	0·86	29·920	29·138	126·0	.. .. ..	1/8 Cumulus

East Longitude. H. M. S. 3·00·40. *North Latitude.* 12°.46′·26″·80‴.

	Hour	Barometer.		Dry and Wet Bulb.			Moisture.		Barometer.		Direction of the Wind	Clouds.
		Scale Reading.	Attached Ther.	Dry.	Wet	Difference.	Pressure.	Relative.	Corrected for Expn. of Mercury.	Corrected for Moisture.		
22d OCTOBER, 1846.	Noon.	30·038	89°5	89°0	78°0	11°0	0·818	0·87	29·873	29·055	NE. by E.	4/8 Cirrus.
	1	30·008	89·2	89·0	78·0	11·0	0·818	0·87	29·844	29·026	.. .. ..	6/8 Ditto.
	2	30·004	88·2	88·0	76·0	12·0	0·750	0.85	29·843	29·093	.. .. ..	6/8 Ditto.
	3	29·984	88·2	88·2	76·0	12·2	0·750	0·85	29·824	29·074	.. .. ..	4/8 Ditto.
	4	29·974	87·6	87·5	75·0	12·5	0·717	0·84	29·816	29·099	.. .. ..	5/8 Ditto.
	5	29·984	86·0	86·0	75·0	11·0	0·733	0·86	29·828	29·095	.. .. ..	3/8 Ditto.
	6	30·004	84·5	84·5	73·0	11·5	0·676	0·84	29·842	29·166	.. .. ..	5/8 Ditto
	7	30·004	83·2	83·0	74·0	9·0	0·728	0·88	29·856	29·128	.. .. ..	4/8 Ditto.
	8	30·020	84·0	84·0	75·0	9·0	0·755	0·88	29·870	29·115	E.	Clear.
	9	30·032	83·0	83·0	74·0	9·0	0·728	0·88	29.886	29·158	.. .. ..	Ditto.
	10	30·052	83·0	83·0	73·0	10·0	0·690	0·86	29·905	29·213	.. .. ..	Ditto.
	11	30·020	83·0	83·0	73·0	10·0	0·690	0·86	29·873	29·183	.. .. ..	Ditto.
	12	30·038	82·0	82·0	72·0	10·0	0·665	0·86	29·894	29.229	.. .. ..	Ditto.
	13	30·040	81·5	81·5	71·0	10·5	0·635	0·85	29·897	29·262	.. .. ..	Ditto.
	14	30·036	80·0	80·0	70·0	10·0	0·616	0·85	29·905	29·286	.. .. ..	Ditto.
	15	30·028	75·0	75·0	63·0	12·0	0·446	0·78	29·903	29·357	.. .. ..	Ditto.
	16	30·016	74·0	74·0	62·0	12·0	0·427	0.76	29·894	29·467	.. .. ..	Ditto.
	17	29·990	73·0	73·0	60·0	13·0	0·379	0·72	29·870	29·491	.. .. ..	Ditto.
	18	29·980	74·0	74·0	62·0	12·0	0·427	0·76	29·859	29·432	.. .. ..	Hr. Stratus.
	19	30·000	79·5	79·5	65·5	14·0	0·474	0·74	29·865	29·391	.. .. ..	Ditto
	20	30·050	84·0	84·0	65·0	19·0	0·406	0·66	29·900	29·494	.. .. ..	Clear.
	21	30·060	85·5	85·5	70·0	15·0	0.560	0·76	29·906	29·346	.. .. ..	Ditto.
	22	30·062	90·0	90·0	71·5	18·5	0·561	0·73	29·895	29·334	.. .. ..	Ditto.
	23	30·060	93·0	93·0	78·0	18·0	0·730	0·78	29·887	29·156	.. .. ..	Ditto.
8th NOVEMBER. 1846.	Noon.	30·078	88·0	88·0	74·0	14·0	0·673	0·81	29·918	29·245	E. by S.	Clear.
	1	30·050	88·0	88·0	75·0	13·0	0·711	0·83	29·890	29 179	.. .. ..	Ditto.
	2	30·050	87·0	87·0	75·0	12·0	0·722	0·84	29·893	29·171	.. .. ..	Ditto.
	3	30 050	86·5	86·5	75·0	11·5	0·728	0·85	29·893	29·165	.. .. ..	Ditto.
	4	30·068	86·0	86·0	73·0	13·0	0·657	0·82	29·906	29·249	.. .. ..	Ditto.
	5	30 068	84·8	84·8	73·0	11·8	0·671	0·84	29·917	29·246	.. .. ..	Ditto.
	6	30·082	83·0	83·0	73·0	10·0	0·690	0·86	29.935	29·245	. .. ..	Ditto.
	7	30·108	82·5	82·5	74·0	8·5	0·734	0·89	29·961	29·227	.. .. ..	Ditto.
	8	30·108	82·4	82·4	75·0	7·4	0·773	0·90	29·962	29·189	.. .. ..	Ditto.
	9	30.126	82·0	82·0	74·0	8·0	0·739	0·89	29·981	29·242	.. .. ..	Ditto.
	10	30·116	82·0	82·0	74·0	8·0	0·739	0·89	29·971	29·232	.. .. ..	Ditto.
	11	30·110	81·0	81·0	74·0	7·0	0·750	0·91	29·968	29·218	. .. ..	Ditto.
	12	30·106	80·5	80·5	74·0	6·5	0·756	0·91	29·965	29·209	.. .. ..	Ditto.
	13	30·094	80·0	80·0	73·0	7·0	0·724	0·90	29·955	29·231	.. .. ..	Ditto.
	14	30·070	79·5	79·5	73·0	6·5	0·730	0·91	29·932	29·202	.. .. ..	Ditto.
	15	30·062	79·0	79·0	72·0	7·0	0·698	0·90	29·926	29·228	.. .. ..	Ditto.
	16	30·070	78·0	78·0	71·0	7·0	0·673	0·90	29.937	29 264	.. .. ..	Ditto.
	17	30·080	76·0	76·0	70·0	6·0	0·660	0·91	29·952	29·292	.. .. ..	Ditto.
	18	30·086	75·0	75·5	70·0	5·5	0·666	0·92	29·959	29·293	.. .. ..	Ditto.
	19	30·124	79·0	79·0	71·0	8·0	0·662	0·88	29·988	29·326	.. .. ..	Ditto.
	20	30·140	81·0	81·0	73·0	8·0	0·713	0·89	29·999	29·286	.. .. ..	Ditto.
	21	30·176	84·5	84·5	74·0	10·5	0·718	0·86	30·020	29·302	.. .. ..	Ditto.
	22	30·180	85·0	85·0	76·0	9·0	0·783	0·89	30·027	29·244	.. .. ..	Ditto.
	23	30·130	86·0	86·0	76·0	10·0	0·772	0·87	29·970	29.198	.. .. ..	Ditto.
14th NOVEMBER, 1846.	Noon.	30·140	84·5	84·5	78·0	6·5	0·868	0·93	29·987	29·119	E. by S.	2/8 Cirro Cumulus
	1	30·124	84·5	84·5	78·0	6·5	0·868	0·93	29·971	29·103	.. .. ..	3/8 Ditto
	2	30·094	83·8	83·8	76·0	7·8	0·796	0·90	29·944	29·148	E.	Hr. Cumulus.
	3	30·086	83·5	83·5	75·6	7·9	0·784	0·91	29·937	29·153	.. .. ..	Clear.
	4	30·100	82 5	82·5	75·0	7·5	0·772	0·90	29·953	29·181	.. .. ..	3/8 Cirro Stratus.
	5	30·118	81·0	81·0	74·0	7·0	0·750	0 91	29·977	29·227	.. .. ..	2/8 Cumulo Stratus.
	6	30·158	80·5	80·5	74·5	6·0	0·802	0·92	30·018	29·216	NE.	3/8 Ditto.
	7	30·164	80·0	80·0	75·0	5·0	0·799	0·93	30·025	29·226	.. .. ..	3/8 Cirro Stratus.
	8	30·166	80·0	80·0	74·5	5·5	0·780	0·93	30·027	29·247	.. .. ..	2/8 Ditto.
	9	30·168	80·0	80·0	74·0	5·0	0·772	0·93	30·029	29.257	.. .. ..	1/8 Ditto.
	10	30·204	80·0	80·0	75.0	5·0	0·799	0·93	30·064	29·265	.. .. ..	Clear.
	11	30.146	79·5	79·5	75·0	4·5	0·794	0·94	30·008	29·214	.. .. ..	2/8 Cirro Stratus.
	12	30.174	79·5	79·5	74·5	5·0	0·785	0·93	30·036	29·251	.. .. ..	2/8 Ditto.
	13	30·178	79·0	79·0	74·0	5·0	0.772	0·93	30·042	29·270	.. .. ..	2/8 Ditto.

East Longitude. H. M. S. 3·00·40. *North Latitude.* ° ′ ″ ‴ 12·46·26·80.

	Hour.	Barometer.		Dry and Wet bulb.			Moisture.		Barometer.		Direction of the Wind.	Clouds.
		Scale Reading.	Attached Ther.	Dry	Wet.	Difference.	Pressure.	Relative.	Corrected for Expn. of Mercury	Corrected for Moisture.		
14th NOVEMBER, 1846.	14	30·176	78°·8	78°·8	73°·0	5°·8	0·738	0·92	30·041	29·305	NE.	3/8 Cirro Stratus.
	15	30·170	78·5	78·5	73·0	5·5	0·741	0·93	30·035	29·294	.. .. ..	2/8 Ditto.
	16	30·164	78·2	78·2	73·0	5.2	0·744	0·93	30·030	29·286	.. .. ..	3/8 Ditto.
	17	30·160	78·0	78·0	73·0	5·0	0·744	0·93	30·027	29·281	.. .. ..	2/8 Ditto.
	18	30·170	78·0	78·0	74·0	4·0	0·783	0·95	30·037	29·254	.. .. ..	Clear.
	19	30·194	80·5	80·5	74·0	6·5	0·756	0·91	30·054	29·298	.. .. ..	Ditto.
	20	30·224	82·0	82·0	74·0	8·0	0·738	0·89	30·079	29·341	.. .. ..	Ditto.
	21	30·236	83·0	83·1	74·8	8·3	0·757	0·89	30·088	29·331	.. .. ..	Ditto.
	22	30·240	84.5	84·5	75·0	9·5	0·750	0·88	30·097	29·347	E.	Ditto.
	23	30·200	86·0	86·0	75·0	11·0	0·733	0.88	30·044	29·331	.. .. ..	Ditto.
21st NOVEMBER, 1846.	Noon.	30·164	84·5	84·0	75·0	9·0	0·755	0·88	30·012	29·257	E. by S.	1/8 Cirrus
	1	30·100	83·5	83·5	76·5	7.0	0·819	0·91	29·950	29·131	.. .. ..	1/8 Ditto.
	2	30·092	83·2	83·2	76·0	7·2	0.803	0·91	29·944	29·141	.. .. ..	Clear.
	3	30·088	83·0	83·0	76·0	7·0	0·805	0·91	29·941	29·136	.. .. ..	Ditto.
	4	30·081	82·0	82·0	75·5	6·5	0·825	0·92	26·942	29·117	.. .. ..	Ditto.
	5	30·100	80·0	80·0	74·0	6·0	0·761	0·92	29·962	29·201	.. .. ..	Ditto.
	6	30·128	79·5	79·5	74·0	5·5	0·767	0·93	29·990	29·223	.. .. ..	Ditto.
	7	30.136	79·0	79·0	73.0	6·0	0·735	0·92	30·000	29·265	.. .. ..	Ditto.
	8	30·140	79·0	79·0	73·0	6·0	0·738	0·92	30·004	29·269	.. .. ..	Ditto.
	9	30·144	79·0	79·0	74·0	5·0	0·772	0·93	30·008	29·234	NE.	Ditto.
	10	30·190	79·0	79·0	74·0	5·0	0·772	0·93	30·054	29·282	.. .. ..	2/8 Cirro Stratus.
	11	30·170	79·0	79·0	74·0	5·0	0·772	0·93	30·034	29·262	.. .. ..	3/8 Ditto.
	12	30·160	79·0	79·0	74·0	5·0	0·772	0·93	30·024	29·252	.. .. ..	2/8 Ditto.
	13	30·140	78·5	78·5	74·0	4·5	0·778	0·94	30·005	29·227	.. .. ..	2/8 Ditto.
	14	30·122	78·0	78·0	73.5	4·5	0·765	0·94	29·989	29·224	.. .. ..	Clear.
	15	30·094	78·0	78·0	73·5	4·5	0·765	0·94	29·961	29·196	.. .. ..	Ditto.
	16	30·109	77·5	77·5	73·0	4·5	0·752	0·91	29·977	29·225	.. .. ..	Ditto.
	17	30·126	77·0	77·0	73·0	4·0	0·757	0·95	29·996	29·239	.. .. ..	Ditto.
	18	30·150	77·0	77·0	73·0	4·0	0·757	0·95	30·020	29·263	.. .. ..	Ditto.
	19	30·154	77·5	77·5	73·5	4·0	0·770	0·95	30.022	29·252	.. .. ..	Ditto.
	20	30·178	80·0	80·0	74·0	6·0	0·761	0·92	30·040	29·279	.. .. ..	Cirrus in the NE.
	21	30·200	80·8	80·8	73·8	7·0	0·744	0·90	30.058	29·314	.. .. ..	Ditto. Ditto.
	22	30·148	81·7	81·7	75·0	6·7	0·780	0·92	30·005	29·225	.. .. ..	1/8 Cirrus.
	23	30·148	83·0	83·0	75·0	8·0	0·766	0.89	30·000	29·234	.. .. ..	1/8 Ditto.
27th NOVEMBER, 1846.	Noon.	30·060	83·3	83·5	76·0	7·5	0·800	0·91	29·911	29·111	E.	Hr. Cumulus. Z. Clear
	1	30·036	82·4	82·5	76·0	6·5	0·811	0·92	29·892	29·081	.. .. ..	2/8 Cumulus.
	2	30·022	82·0	82·0	75·5	6·5	0·797	0·92	29·878	29·081	.. .. ..	2/8 Ditto.
	3	30·014	80·8	81·0	75·0	6·0	0·788	0·92	29·874	29·086	.. .. ..	1/8 Ditto.
	4	30·012	80·0	80·4	75·0	5·4	0·795	0·93	29·874	29·079	.. .. ..	2/8 Ditto.
	5	30·030	79·5	79·7	74·5	5·2	0·783	0·93	29·892	29·109	.. .. ..	3/8 Ditto.
	6	30·034	79·0	79·5	74·5	5·0	0·785	0·93	29·898	29·113	.. .. ..	3/8 Ditto.
	7	30·054	78·9	79·3	74·5	4·8	0·788	0·94	29·918	29·130	.. .. ..	3/8 Cirro Cumulus.
	8	30·074	78·5	78·8	74·5	4·3	0.797	0·94	29·939	29·142	.. .. ..	4/8 Ditto.
	9	30·094	77·0	77·0	74·5	4·5	0·793	0·94	29·961	29·168	.. .. ..	4/8 Ditto.
	10	30·094	77·0	77·0	74·5	4·5	0·793	0·94	29·961	29·168	.. .. ..	4/8 Ditto.
	11	30·082	78·0	78·0	74·0	4·0	0·783	0·95	29·949	29·166	.. .. ..	3/8 Ditto.
	12	30·074	78·0	78·0	74·0	4·0	0·783	0·95	29·941	29·158	.. .. ..	4/8 Ditto.
	13	30·046	78·0	78·0	74·0	4·0	0·783	0·95	29·913	29·130	.. .. ..	3/4 Ditto.
	14	30·012	78·0	78·0	74·0	4·0	0·783	0·95	29·879	29·096	.. .. ..	1/3 Cirro Stratus.
	15	30·006	78·0	78·0	74·0	4·0	0·783	0·95	29·873	29·090	.. .. ..	Hr. Cirro Cumulus
	16	30·015	78·0	78·0	74·0	4·0	0·783	0·95	29·882	29·099	.. .. ..	3/4 Cumulo Stratus.
	17	30·040	77·7	77·7	74·0	3·7	0·783	0·95	29·908	29·125	.. .. ..	3/8 Ditto.
	18	30.065	77·5	77·5	74·5	3·0	0·807	0·96	29·933	29·126	.. .. ..	3/8 Ditto.
	19	30·102	78·0	78·0	74·5	3·5	0·802	0·96	29·969	29·167	.. .. ..	5/8 Ditto.
	20	30·120	79·5	79·5	76·0	3·5	0·844	0·96	29·982	29·138	.. .. ..	5/8 Ditto.
	21	30·136	80·0	80·0	76·0	4·0	0·838	0·95	29·997	29·159	.. .. ..	5/8 Ditto.
	22	30·140	81·8	81·7	75·5	6·2	0·800	0·92	29·997	29·197	.. .. ..	7/8 Stratus.
	23	30·122	82·0	82·0	76·0	6·0	0·816	0·92	29·978	29·162	.. .. ..	7/8 Ditto.

East Longitude. H. M. S. 3·00·40. *North Latitude.* ° ′ ″ ‴ 12·46·26·80.

	Hour.	Barometer.		Dry and Wet bulb.			Moisture.		Barometer.		Direction of the Wind.	Clouds.
		Scale Reading.	Attached Ther.	Dry.	Wet.	Difference.	Pressure.	Relative.	Corrected for Expn. of Mercury.	Corrected for Moisture.		
5th DECEMBER, 1846.	Noon	29·986	76°·0	76°·0	74°·5	1°·5	0·835	0·99	29·858	29·023	E. by S	Nimbus; light Rain.
	1	29·960	77·5	77·5	74·0	3·5	0·799	0·96	29·828	29·029	.. .. ..	7/8 Ditto.
	2	29·980	78·5	78·5	74·0	4·5	0·778	0·94	29·847	29·069	.. .. ..	7/8 Cumulus.
	3	29·950	78·5	78·5	74·0	4·5	0·778	0·94	29·816	29·058	.. .. ..	7/8 Ditto
	4	29·938	78·0	78 0	74·0	4·0	0·783	0·95	29·805	29·022	.. .. ..	6/8 Ditto.
	5	29·974	77 0	77·0	74·0	3·0	0·794	0·96	29·843	29·049	.. .. ..	6/8 Ditto.
	6	29·984	77·0	77·0	74·0	3·0	0·794	0·96	29·853	29·059	.. .. ..	6/8 Cumulo Stratus
	7	30·010	77·2	77·2	73·6	4·6	0·777	0·94	29·878	29·101	NE. by E.	7/8 Ditto.
	8	30·024	77·5	77·5	73·5	4·0	0·772	0·95	29·891	29·119	.. .. ..	7/8 Ditto.
	9	30·052	77·3	77·3	73·4	3·9	0·769	0·95	29·920	29·151	.. .. ..	6/8 Ditto
	10	30·060	77·0	77·0	73.0	4·0	0·757	0·95	29·929	29·172	.. .. ..	6/8 Ditto.
	11	30·048	77·0	77·0	73·0	4·0	0·757	0·95	29·913	29·160	.. .. ..	6/8 Ditto.
	12	30·036	77·0	77·0	73·0	4·0	0·757	0·95	29·905	29·148	.. .. ..	7/8 Ditto.
	13	30·024	76·5	76·5	73·0	3·5	0·765	0·95	29 894	29·129	.. .. ..	5/8 Ditto.
	14	30 010	76·0	76·0	72·0	4·0	0·731	0 94	29·882	29·151	.. .. ..	3/8 Nimbus, 3/8 Cumulus.
	15	30·010	76·0	76.0	72·0	4·0	0·731	0·94	29·882	29·151	.. .. ..	3/8 Ditto. 4/8 Ditto.
	16	30·020	76·0	76·0	72·0	4·0	0·731	0·94	29·892	29·161	.. .. ..	6/8 Nimbus.
	17	30·042	76·0	76·0	72·0	4·0	0·731	0·94	29·914	29·183	.. .. ..	4/8 Ditto.
	18	30 054	76·5	76·5	72·5	4·0	0·739	0·93	29·924	29·185	E. by N.	Z. Cirro Stratus.
	19	30·056	77·5	77·5	72·5	5.0	0·735	0·92	29.923	29·188	.. .. ..	6/8 Nimbus.
	20	30·084	78·5	78·5	73·0	5·5	0·741	0·92	29·949	29·208	.. .. ..	7/8 Ditto.
	21	30·095	79·0	79·0	73·0	6·0	0·735	0·92	29·959	29·224	.. .. ..	7/8 Ditto.
	22	30·100	79·5	79 5	74·0	5·5	0·767	0.93	29·962	29·195	.. .. ..	7/8 Ditto.
	23	30·024	79·5	79·5	74·0	5·5	0·767	0·93	29·886	29·119	.. .. ..	7/8 Ditto.
15th DECEMBER, 1846.	Noon.	29.984	81·5	81·0	72°·0	9·0	0·676	0·87	29·843	29·167	E. by S.	Hr. Cumulus, 1/8 Cirrus.
	1	29·932	82·0	81·5	72·5	9·0	0·689	0·87	29·788	29·099	.. .. ..	Ditto. 2/8
	2	29·930	81·5	72·0	72·0	9·0	0·676	0·87	29·790	29·114	.. .. ..	Clear.
	3	29·910	81·0	80·5	71·5	9·0	0·663	0·87	29·772	29·109	.. .. ..	Ditto.
	4	29·890	80·0	79·5	71·0	8·5	0 657	0·88	29·753	29·096	.. .. ..	Ditto.
	5	29·908	77·0	74·0	70·0	6·5	0·655	0·90	29·778	29·123	.. .. ..	N. Hr. Stratus, 1/8 Cirrus.
	6	29·959	76·9	76·2	70·0	6·2	0·658	0·91	29·829	29·171	.. .. ..	Ditto.
	7	29·978	76·8	76·0	69·5	6·5	0·654	0·90	29.848	29·194	.. .. ..	Ditto.
	8	29·974	75·8	75·0	69·0	6·0	0·637	0·91	29·847	29·210	.. .. ..	Clear.
	9	30·002	75·8	74·8	68·5	6·3	0·623	0·90	29·885	29·262	.. .. ..	Ditto.
	10	30·024	75·6	74·8	68·5	6·3	0·623	0·90	29·897	29·274	.. .. ..	Ditto.
	11	30·008	75·0	74·0	68·5	5·5	0·615	0·90	29·883	29·268	.. .. ..	Ditto.
	12	30·000	75·0	74·0	68·0	6·0	0·615	0·90	29·875	29·260	.. .. ..	Ditto
	13	29·992	74·0	73·5	68·0	5·5	0·621	0·91	29·870	29·249	.. .. ..	Ditto.
	14	29·986	74.0	73·5	68·0	5·5	0·621	0·91	29·866	29·245	.. .. ..	Ditto.
	15	29·944	73·2	73·0	68·0	5·0	0·626	0·92	29·844	29·218	.. .. ..	Ditto.
	16	29·972	73·0	73·0	67.5	5·5	0·610	0·91	29·852	29·242	.. .. ..	Ditto.
	17	29·980	72·5	72·0	67·5	4·5	0·621	0·93	29·862	29·241	.. .. ..	2/8 Cumulo Stratus.
	18	29·983	72·5	72·0	67·5	4·5	0·621	0·93	29·865	29·244	.. .. ..	4/8 Ditto.
	19	30·001	73 0	72·5	67·5	5·0	0·626	0·92	29·881	29·255	.. .. ..	5/8 Ditto.
	20	30·010	75·4	75·0	69·0	6·0	0·627	0·91	29·884	29·247	.. .. ..	7/8 Ditto.
	21	30·034	76·4	76·0	70·0	6·0	0·660	0·91	29·905	29·245	.. .. ..	7/8 Ditto.
	22	30·000	78·0	77 0	69·0	8·0	0·615	0·87	29·867	29·242	.. .. ..	7/8 Cumulus.
	23	30·000	79 0	78·5	69·0	9.5	0·610	0·85	29·864	29·254	.. .. ..	3/8 Ditto.
22nd DECEMBER, 1846.	Noon·	29.950	79·4	79·0	74·2	5·8	0·769	0·93	29·814	29·045	E. by S.	Hr. Cumulus; Z. Clear.
	1	29·930	79·5	79·0	73·4	5·6	0·750	0·92	29·794	29·044	.. .. ..	Ditto.
	2	29·924	80·5	80·0	73·4	5·6	0·750	0·92	29·785	29·035	.. .. ..	Ditto,
	3	29·894	80·7	80·0	73·5	6·5	0·751	0·92	29·755	29·004	.. .. ..	Clear.
	4	29·924	80·5	80·0	73·0	7·0	0·724	0·90	29·785	29·061	.. .. ..	Ditto.
	5	29·924	78·0	77·5	71·5	6·0	0·696	0·91	29·791	29·095	.. .. ..	Ditto.
	6	29·948	77·0	76·5	71·0	5·5	0·690	0·92	29·819	29·127	. .. ..	Ditto.
	7	29·974	76·5	76·0	72·0	4.0	0·731	0·94	29·845	29·114	.. .. ..	Ditto.
	8	29·975	76·5	76·0	72·0	4·0	0·731	0·94	29·846	29·115	.. .. ..	Ditto.
	9	29·984	76·5	76·0	72·0	4·0	0·731	0·94	29·855	29·124	.. .. ..	Ditto.
	10	29·994	75·5	75·0	72·0	3·0	0·742	0·96	29·868	29·126	.. .. ..	Ditto.
	11	29·986	75·5	75·0	71·5	3·5	0·724	0·95	29·860	29·136	.. .. ..	Ditto.
	12	29·980	75·0	74·5	71·5	3·0	0·729	0·96	29·855	29·126	.. .. ..	Ditto.
	13	29·974	75·0	75·0	71·0	4·0	0·706	0·94	29·849	29·143	.. .. ..	Ditto.

East Longitude. H. M. S. 3·00·40. *North Latitude.* ° ′ ″ ‴ 12·46·26·80.

	Hour.	Barometer.		Dry & Wet bulb.			Moisture.		Barometer.		Direction of the Wind.	Clouds.
		Scale Reading.	Attached Ther.	Dry.	Wet.	Difference.	Pressure.	Relative.	Corrected for Expn. of Mercury.	Corrected for Moisture.		
22nd DEC. 1846.	14	29·960	75°·0	75°·0	71°·0	4°·0	0·706	0.94	29·835	29·129	E. by S.	Clear.
	15	29·950	75·0	75·0	71·0	4·0	0·706	0·94	29·825	29·119	.. .. ..	Ditto.
	16	29·948	74·0	74·0	71·0	3·0	0·717	0·96	29·826	29·109	.. .. .	Ditto.
	17	29·956	75·5	75·5	71·0	4·5	0·701	0·94	29·830	29·129	.. .. ..	2/8 Cirrus.
	18	29·964	76·0	76·0	72·0	4·0	0·731	0·94	29·836	29·105	.. .. ..	2/8 Cirro Cumulus.
	19	29·980	77·0	77·0	72·0	5·0	0·720	0·93	29·851	29·131	.. .. ..	3/8 Ditto.
	20	29·998	79·0	79·0	73·0	6·0	0·735	0·92	29·863	29·128	.. .. ..	3/8 Ditto.
	21	30·004	80·0	80·0	73 0	7·0	0·724	0·90	29·865	29·141	.. .. ..	Hr. Cumulus. ; Z. Clear.
	22	30·004	80·0	80·0	74·0	6·0	0·761	0·92	29·865	29·104	.. .. ..	Ditto.
	23	29·984	79·5	79.5	73·5	6·0	0·748	0·92	29·848	29·100	.. .. ..	5/8 Cumulus.
29th DECEMBER, 1846.	Noon.	30·000	79·0	78·2	63·0	15·2	0·410	0·71	29·864	29·454	E. by S.	Clear.
	1	29·978	78·2	77·8	63·0	14·8	0·416	0·72	29·846	29·432	.. .. ..	Ditto.
	2	29.950	78·0	77·3	64·5	12·8	0·467	0·77	29·818	29·351	.. .. ..	Ditto.
	3	29·978	78·5	78·0	65·0	13·0	0·474	0·77	29·845	29·371	.. .. ..	Ditto.
	4	29·998	79·0	79·0	65·5	13·5	0·479	0·76	29·865	29.384	.. .. ..	Ditto.
	5	30·020	78·0	77·5	66·0	11·5	0·512	0·81	29·884	29·372	.. .. ..	2/8 Cumulus.
	6	30·030	76·0	76·0	65·0	11.0	0·496	0·80	29·902	29·406	.. .. ..	1/8 Ditto.
	7	30·050	75·5	75·5	64·0	11·5	0·471	0·79	29·923	29·452	.. .. ..	Clear.
	8	30·050	76·0	76·0	64·0	12·0	0·485	0·78	29·922	29·437	.. .. ..	Ditto.
	9	30·092	75·2	75·2	62·0	13·2	0·414	0·74	29·966	29·552	.. .. ..	Ditto.
	10	30·108	75·2	75·2	62·0	13·2	0·414	0·74	29·982	29·568	.. .. ..	Ditto.
	11	30·072	75·0	75·0	63·0	12·0	0·446	0·77	29·947	29·501	.. .. ..	Ditto.
	12	30·050	74·0	74·0	63·0	11·0	0·457	0·79	29·927	29·470	.. .. ..	Ditto.
	13	30·000	73·3	73·3	63·0	10·3	0·465	0·80	29·879	29·414	N.	Ditto.
	14	29·980	72·0	72·0	64·0	8·0	0·509	0.85	29·863	29·354	.. .. ..	Ditto.
	15	29·972	72·0	72·0	64·0	8·0	0·509	0·85	29·855	29·346	.. .. ..	Ditto.
	16	29·960	72·0	72·0	64·0	8·0	0·509	0·85	29 843	29·334	.. .. ..	Ditto.
	17	29·968	72·5	72·5	64·0	8·5	0·504	0·84	29·850	29·346	.. .. ..	2/8 Cumulus.
	18	29·973	73·0	73·0	64·0	9·0	0·498	0·83	29·854	29·354	.. .. ..	2/8 Ditto.
	19	29·988	76·0	76·0	66·0	10·0	0·528	0·83	29·860	29·332	E.	1/8 Ditto.
	20	30·010	73·0	73·0	63·0	10·0	0·468	0·81	29·890	29·422	.. .. ..	1/8 Cirro Stratus.
	21	30·040	76·0	76·0	65·0	11·0	0·496	0·80	29·912	29·416	.. .. ..	1/8 Ditto.
	22	30.124	78·4	78·4	66·0	12·4	0·502	0·79	29·992	29·490	.. .. ..	1/8 Ditto
	23	30·072	79 0	79·0	65·0	14·0	0·463	0·75	29·937	29·474	.. .. ..	1/8 Ditto.

Direction and Force of the Wind, during the three turning points of the Barometer.

Hours.		3^h	00^m	3^h	30^m	4^h	00^m	9^h	30^m	10^h
Date.		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.
JUNE, 1846.	1	SW.	Light.	SW.	Light.	SW.	Light.	SW.	Light.	SW.
	2	....	....	....	....	....	....	....	....	....
	3	....	....	....	....	....	....	....	....	....
	4	NW.	....	NW.	....	NW.	....	NW.	....	NW.
	5	S.	....	S.	....	S.	....	S.	....	S.
	6	SW.	....	SW.	....	SW.	....	SW.	....	SW.
	7	W.	Brisk.	W.	Brisk.	W.	Brisk.	....	....	....
	8	S. by W.	Moderate.	S. by W.	Moderate.	S. by W.	Moderate.	SE. by S.	....	SE. by S.
	9	E. by S.	Light.	E. by S.	Light.	E. by S.	Light.	E. by S.	....	E. by S.
	10	SW.	....	SW.	....	SW.	....	....	....	....
	11	....	....	....	....	....	....	SW.	....	SW.
	12	....	Moderate.	....	Moderate.	....	Moderate.	SE.	....	SE.
	13	....	Light.	....	Light.	....	Light.	SW.	....	SW.
	14	W.	....	W.	....	W.	....	NE.	Moderate.	NE.
	15	SW.	....	SW.	....	SW.	....	SW.	Light.	E.
	16	....	....	....	....	....	....	NE.	....	NE.
	17	W.	Brisk.	W.	Brisk.	W.	Brisk.	SW.	....	SW.
	18	SW.	Light.	SW.	Light.	SW.	Light.	....	....	....
	19	....	Brisk.	....	Brisk.	....	Brisk.	....	....	....
	20	W.	....	W.	....	W.	....	NE.	....	NE.
	21	....	....	....	....	....	....	E.	....	E.
	22	W. by N.	Light.	W. by N.	Light.	W. by N.	Light.	NE.	....	NE.
	23	SW.	Brisk.	SW.	Brisk.	SW.	Brisk.	N. by E.	Moderate.	N. by E.
	24	W.	....	W.	....	W.	....	....	....	....
	25	SW.	Moderate.	SW.	Moderate.	SW.	Moderate.	SW.	Light.	SW.
	26	....	....	....	....	....	....	SE.	....	SE.
	27	....	Light.	....	Light.	....	Light.	N. by E.	....	N. by E.
	28	S. by W.	....	S. by W.	....	S. by W.	Light.	N.	Brisk.	N.
	29	SW.	....	SW.	....	SW.	....	....	Light.	....
	30	....	....	....	....	....	....	....	....	....
	31									

Hours.		3^h	00^m	3^h	30^m	4^h	00^m	9^h	30^m	10^h
Date.		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.
JULY, 1846.	1	W.	Brisk.	W.	Brisk.	W.	Brisk.	N.	Light.	N.
	2	....	Stormy.	....	Stormy.	....	Stormy.	NE.	....	NE.
	3	....	Light.	....	Light.	....	Light.	....	....	....
	4	....	Stormy.	....	Stormy.	....	Stormy.	N.	....	N.
	5	NW.	....	NW.	....	NW.	....	SW.	....	E.
	6	W. by N.	....	W. by N.	....	W. by N.	....	W.	Stormy.	W.
	7	W. by S.	....	W. by S.	....	W. by S.	....	N. by E.	Light.	N. by E.
	8	....	....	....	....	....	....	....	....	....
	9	W.	Light.	W.	Light.	W.	Light.	SW.	....	SW.
	10	SW.	....	SW.	....	SW.	....	NE.	...	NE.
	11	....	Moderate.	....	Moderate.	....	Moderate.	....	....	....
	12	W. by S.	Light.	W. by S.	Light.	W. by S.	Light.	W. by S.	....	W. by S.
	13	SW.	....	SW.	....	SW.	....	E.	....	E.
	14	W. by S.	Stormy.	W. by S.	Stormy.	W. by S.	Stormy.	N. by E.	Brisk.	N. by E.
	15	W.	Moderate.	W.	Moderate.	W.	Moderate.	NE.	Light.	NE.
	16	SW.	Brisk.	SW.	Brisk.	SW.	Brisk.	....	....	....
	17	....	Light.	....	Light.	....	Light.	....	....	....
	18	NE.	....	NE.	....	NE.	....	....	Stormy.	....
	19	SW.	....	SW.	....	SW.	....	....	Light.	....
	20	....	...	....	....	....	....	SW.	....	SW.
	21	SW. by W.	....	SW. by W.	....	SW. by W.	....	N. by E.	....	N. by E.
	22	SW.	Brisk.	SW.	Brisk.	SW.	Brisk.	....	....	....
	23	....	Moderate.	....	Moderate.	....	Moderate.	....	Brisk.	....
	24	W. by S.	Brisk.	W. by S.	Brisk.	W. by S.	Brisk.	NE.	....	NE.
	25	....	....	....	....	....	....	W.	....	W.
	26	S. by W.	Stormy.	S. by W.	Stormy.	S. by W.	Stormy.	NE.	Light.	NE.
	27	SW.	Brisk.	SW.	Brisk.	SW.	Brisk.	....	....	....
	28	....	....	....	....	....	....	....	....	....
	29	S. by W.	Light.	S. by W.	Light.	S. by W.	Light.	....	....	....
	30	SW.	....	SW.	....	SW.	....	N.	....	N.
	31	W. by S.	....	W. by S.	....	NW.	Brisk.	....	....	....

Direction and Force of the Wind, during the three turning points of the Barometer.

Hours.		00^{m}	10^{h}	30^{m}	21^{h}	30^{m}	22^{h}	00^{m}	22^{h}	30^{m}
Date.		Force.	Direction.	Force.	Direction.	Force.	Direction.	Force	Direction.	Force.
JUNE, 1846.	1	Light.	SW.	Light.	SW.	Brisk.	SW.	Brisk.	SW.	Brisk.
	2	....	....	....	....	Stormy.	....	Stormy.	....	Stormy.
	3	....	....	....	....	Light.	....	Light.	....	Light.
	4	....	NW.	....	S. by W.	Moderate.	S. by W.	Moderate.	S. by W.	Moderate.
	5	....	S.	....	SE.	Light.	SE.	Light.	SE.	Light.
	6	....	SW.	....	W.	Brisk.	W.	Brisk.	W.	Brisk.
	7	....	....	....	SW.	....	SW.	....	SW.	....
	8	....	SE. by S.	....	E. by S.	Light.	E. by S.	Light.	E. by S.	Light.
	9	....	E. by S.	....	SW.	Brisk.	SW.	Brisk.	SW.	Brisk.
	10	....	....	....	....	Moderate.	....	Moderate.	....	Moderate.
	11	....	SW.	....	....	Light.	....	Light.	....	Light.
	12	....	SE.	....	....	....	....	....	....	....
	13	....	SW.	....	....	....	....	....	....	....
	14	....	NE.	....	E.	....	E.	....	E.	....
	15	....	E.	....	SE.	....	SE.	....	SE.	....
	16	....	NE.	....	E.	....	E.	....	E.	....
	17	....	SW.	....	W.	....	W.	....	W.	....
	18	....	....	....	SW.	....	SW.	....	SW.	....
	19	....	....	....	W.	Brisk.	W.	Brisk.	W.	Brisk.
	20	....	NE.	....	....	....	....	....	....	....
	21	....	E.	....	W.	Light.	....	Light.	....	Light.
	22	....	NE.	....	NE.	....	NE.	....	NE.	....
	23	Moderate.	N. by E.	Moderate.	W.	Brisk.	W.	Brisk.	W.	Brisk.
	24	....	....	....	SW.	Light.	SW.	Light.	SW.	....
	25	Light.	SW.	Light.	....	Brisk.	....	Brisk.	....	....
	26	....	SE.	....	....	....	....	....	....	....
	27	....	N. by E.	....	N.	Light.	S. by W.	Moderate.	S. by W.	Moderate.
	28	Brisk.	N.	Brisk.	SW.	Brisk.	SW.	Brisk.	SW.	Brirk.
	29	Light.	....	Light.	W.	Stormy.	W.	Stormy.	W.	Stormy.
	30	....	....	....	....	Light.	....	Light.	....	Light.
	31									

Hours.		00^{m}	10^{h}	30	21^{h}	30^{m}	22^{h}	00^{m}	22^{h}	30^{m}
Date.		Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
JULY, 1846.	1	Light.	N.	Light.	W.	Brisk.	W.	Brisk.	W.	Brisk.
	2	....	NE.	....	....	Stormy.	....	Stormy.	....	Stormy.
	3	....	....	Moderate.	....	....	....	....	....	....
	4	....	N.	Light.	SW.	....	SW.	....	SW.	....
	5	....	E.	....	....	....	....	....	....	....
	6	Stormy.	W.	Stormy.	W. by S.	....	W. by S.	....	W. by S.	....
	7	Light.	N. by E.	Light.	W.	Brisk.	W.	Brisk.	W.	Brisk.
	8	....	....	....	....	Light.	....	Light.	....	Light.
	9	....	SW.	....	SW.	....	SW.	....	SW.	....
	10	....	NE.	....	....	....	....	....	....	....
	11	....	....	....	S. by W.	....	S. by W.	....	S by W.	....
	12	....	W. by S.	....	SW.	....	SW.	....	SW.	....
	13	....	E.	....	....	Brisk.	....	Brisk.	....	Brisk.
	14	Brisk.	N. by E.	Brisk.	W.	....	W.	....	W.	....
	15	Light.	NE	Light.	SW.	Light.	SW.	Light.	SW.	Light.
	16	....	....	....	....	....	....	....	....	....
	17	....	....	....	E.	....	E.	....	E.	....
	18	Stormy.	...	Stormy.	S. by W.	Moderate.	S. by W.	Moderate.	S. by W.	Moderate.
	19	Light.	....	Light.	SW.	....	SW.	....	SW.	....
	20	...	SW.	....	SW. by W.	....	SW. by W.	Brisk.	SW. by W.	Brisk.
	21	....	N. by E.	....	SW.	Light.	SW.	Light.	SW.	Light.
	22	....	....	....	....	....	....	....	....	....
	23	Brisk.	....	Brisk.	....	Brisk.	....	Brisk.	....	Brisk.
	24	....	NE.	....	....	Moderate.	....	Moderate.	....	Brisk.
	25	....	W.	....	....	Light.	....	Light.	....	Light.
	26	Light.	NE.	Light.	W.	....	W.	....	W.	....
	27	....	....	....	SW.	Brisk.	SW.	Brisk.	SW.	Brisk.
	28	....	....	....	S. by W.	Light.	S. by W.	Light.	S. by W.	Light.
	29	....	....	....	W. by S.	....	W. by S.	....	W by S.	....
	30	Brisk.	N.	Brisk.	W.	Brisk.	W.	Brisk.	W.	Brisk.
	31	....	....	....	....	Light.	....	Light.	S. by W.	Light.

Direction and Force of the Wind, during the three turning points of the Barometer.

	Hours.	3^{h}	00^{m}	3^{h}	30^{m}	4^{h}	00^{m}	9^{h}	30^{m}	10^{h}
	Date.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.
AUGUST, 1846.	1	S. by W.	Stormy.	S. by W.	Stormy.	S. by W.	Stormy.	W.	Light.	W.
	2	....	Moderate.	....	Moderate.	....	Light.	SW.	....	SW.
	3	SW.	Brisk.	SW.	Brisk.	SW.	Brisk.	NW.	....	N. W.
	4	....	....	....	....	....	....	W.	....	W.
	5	....	....	....	....	....	....	N.	....	N.
	6	....	....	....	....	....	....	NE.	....	NE.
	7	S. by W.	....	S. by W.	....	S. by W.	Light.	N. by E.	....	N. by E.
	8	....	Light.	S. by W.	Light.	....	....	NE.	....	NE.
	9	SW,	....	SW.	....	SW.	....	....	....	....
	10	....	Brisk.	....	Brisk.	....	Brisk.	SW.	....	SW.
	11	....	Moderate.	....	....	....	....	NE.	....	NE.
	12	....	Light.	....	Light.	....	Light.	....	....	....
	13	....	Brisk.	....	Brisk.	....	Brisk.	SW.	....	SW.
	14	....	....	....	....	....	....	W.	....	W.
	15	....	....	....	....	....	....	NE.	....	NE.
	16	....	....	....	....	....	....	....	....	....
	17	....	Light.	....	....	....	Light.	....	Moderate.	....
	18	W.	Brisk.	W.	....	W.	Brisk.	....	Light.	....
	19	SW.	....	SW.	....	SW.	....	N.	....	N.
	20	....	Moderate.	....	Moderate.	....	Moderate.	....	....	....
	21	....	Light.	....	Light.	SW.	Light.	....	....	....
	22	....	Moderate.	....	Moderate.	....	Moderate.	NE.	....	NE.
	23	....	....	....	....	....	....	N. by E.	....	N. by E.
	24	....	Brisk.	....	Brisk.	....	Brisk.	W.	....	W.
	25	....	....	....	....	....	....	N.	....	N.
	26	....	....	....	....	....	....	....	....	....
	27	....	....	....	....	....	....	NE.	....	NE.
	28	....	....	....	Light.	....	Light.	....	....	....
	29	....	....	....	Brisk.	....	Brisk.	....	....	....
	30	....	....	....	....	....	....	....	....	....
	31	....	Light.	....	Light.	....	Light.	....	....	....

	Hours.	3^{h}	00^{m}	3^{h}	30^{m}	4^{h}	00^{m}	9^{h}	30^{m}	10^{h}
	Date.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.
SEPTEMBER, 1846.	1	SW.	Light.	SW.	Light.	SW.	Light.	SW.	Light.	SW.
	2	....	....	....	....	....	....	....	....	....
	3	....	....	....	....	....	....	NE.	....	NE.
	4	....	....	....	....	....	....	....	....	....
	5	....	....	....	....	....	....	....	....	....
	6	....	Brisk.	....	Brisk.	....	Brisk.	....	....	....
	7	....	....	....	....	....	....	....	....	....
	8	....	Light.	....	Light.	....	Light.	....	....	....
	9	....	....	....	....	....	....	....	....	....
	10	....	....	....	....	....	....	....	....	....
	11	....	....	....	....	....	....	....	....	....
	12	....	....	....	....	....	....	....	....	SE.
	13	....	....	....	....	....	....	....	....	NE.
	14	....	....	....	....	....	....	....	....	....
	15	W.	....	W.	....	W.	....	N.	....	N.
	16	S. by W.	....	S. by W.	....	S. by W.	....	S. by W.	....	....
	17	SW.	....	SW.	....	SW.	....	N.	....	....
	18	N.	Brisk.	N.	Brisk.	N.	Brisk.	....	....	....
	19	SW.	Moderate.	SW.	Moderate.	SW.	Moderate.	NE.	....	NE.
	20	W. by S.	Light.	W. by S.	Light.	W. by S.	Light.	N.	....	N.
	21	....	....	....	....	....	....	....	....	....
	22	W. by S.	....	W. by S.	....	W. by S.	....	....	....	....
	23	SW.	....	SW.	....	SW.	....	NE.	....	NE.
	24	W.	Brisk.	W.	Brisk.	W.	Brisk.	N.	....	N.
	25	N.	Light.	N.	Light.	N.	Light.	....	....	....
	26	SW.	....	SW.	....	SW.	....	....	....	....
	27	....	....	....	....	....	....	....	....	....
	28	W.	....	W.	....	W.	....	....	....	....
	29	SW.	....	SW.	....	SW.	....	....	....	....
	30	E.	....	E.	....	E.	....	NE.	....	NE.
	31									

Direction and Force of the Wind, during the three turning points of the Barometer.

Hour.		00m	10h	30m	21h	30m	22h	00m	22h	30m
Date.		Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
AUGUST, 1846.	1	Light.	W.	Light.	W.	Light.	W.	Light.	W.	Light.
	2	....	SW.	....	SW.	....	SW.	....	SW.	Moderate.
	3	....	NW.	....	W.	....	W.	....	W.	Light.
	4	....	W.	....	SW.	Brisk.	....	Stormy.	W.	Stormy.
	5	....	N.	....	....	....	....	Brisk.	....	Brisk.
	6	....	NE.	....	S. by W.	....	S. by W.	....	S. by W.	....
	7	....	N. by E.	....	....	....	....	....	....	....
	8	....	NE.	....	SW.	....	SW.	Stormy.	SW.	Stormy.
	9	....	....	....	....	....	....	Brisk.	....	Brisk.
	10	....	SW.	....	N.	Light.	N.	Light.	....	....
	11	....	NE.	....	SW.	....	SW.	....	SW.	Light.
	12	....	....	....	....	Moderate	....	Moderate.	....	Moderate.
	13	....	SW.	....	....	Light.	....	Light.	....	Light.
	14	....	W.	....	....	....	....	....	....	....
	15	....	NE.	....	W.	....	W.	....	SW.	Brisk.
	16	....	....	....	SW.	Brisk.	SW.	Brisk.	....	....
	17	Moderate.	....	Moderat.	NW.	....	NW.	....	NW.	....
	18	Light.	N.	Light.	SW.	Moderate.	SW.	Moderate.	SW.	Moderate.
	19	....	N.	....	W.	....	W.	....	W.	....
	20	....	....	....	SW.	Brisk.	SW.	Brisk.	SW.	Brisk.
	21	....	....	....	SW.	Light.	....	Light.	....	Light.
	22	....	NE.	....	....	....	....	....	....	....
	23	....	N. by E.	....	SW.	....	....	....	....	....
	24	....	W.	....	....	Brisk.	....	Brisk.	....	Brisk.
	25	....	N.	....	....	Light.	....	Light.	NE.	Light.
	26	....	....	Brisk.	....	Brisk.	....	Brisk.	SW.	Brisk.
	27	....	NE.	Light.	....	....	....	....	....	....
	28	....	....	....	....	Light.	....	Light.	....	Light.
	29	....	....	....	W. by S.	Brisk.	W. by S.	Brisk.	W. by S.	....
	30	....	....	....	NE.	....	NE.	....	NE.	....
	31	....	....	....	SW.	Light.	SW.	Light.	SW.	....

Hours.		00m	10h	30m	21h	30m	22h	00m	22h	30m
Date.		Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
SEPTEMBER, 1846.	1	Light.	SW.	Light.	SW.	Light.	SW.	Light.	SW.	Light.
	2	....	....	....	....	....	....	....	....	....
	3	....	NE.	....	....	....	....	....	....	....
	4	....	....	....	....	Moderate.	....	Moderate.	....	Moderate.
	5	....	....	....	....	Light.	....	Light.	...	Light.
	6	....	....	....	....	Brisk.	....	Brisk.	....	Brisk.
	7	....	....	....	....	....	....	....	....	....
	8	....	....	....	....	Light.	....	Light.	....	Light.
	9	....	....	....	....	....	....	....	....	....
	10	....	....	....	....	....	....	....	....	....
	11	....	....	....	....	....	....	....	....	....
	12	....	SE.	....	....	....	....	....	....	....
	13	....	NE.	....	....	....	....	....	....	....
	14	....	....	....	N.	....	N.	....	NE.	....
	15	....	N.	....	SW.	....	SW.	....	SW.	....
	16	....	....	....	....	Brisk.	....	Brisk.	....	Brisk.
	17	....	....	...	....	....	....	....	....	....
	18	....	....	....	....	....	....	....	....	....
	19	....	NE.	....	W. by S.	Light.	W. by S.	Light.	W. by S.	Light.
	20	....	N.	....	....	....	....	....	....	....
	21	....	....	....	....	....	SW.	....	SW.	....
	22	....	....	....	W. by S.	....	W. by S.	....	W. by S.	....
	23	....	NE.	....	....	....	....	....	....	....
	24	....	N.	....	W.	....	W.	....	W.	....
	25	....	....	....	NW.	....	NW.	....	NW.	....
	26	....	....	....	W.	....	W.	....	W.	....
	27	....	....	....	SW.	....	SW.	....	SW.	....
	28	....	....	....	....	....	....	....	....	....
	29	....	....	....	E.	....	E.	....	E.	....
	30	....	NE.	....	....	....	....	....	....	....
	31									

Direction and Force of the Wind, during the three turning points of the Barometer.

	Hours.	3^{h}	00^{m}	3^{h}	30	4^{h}	00^{m}	9^{h}	30^{m}	10^{h}
	Date.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.
OCTOBER, 1846.	1	NE.	Light.	NE.	Light.	NE.	Light.	NE.	Light.	NE.
	2	....	....	....	....	....	....	....	....	....
	3	E.	....	E.	....	E.	....	....	....	....
	4	E. by N.	....	E. by N.	....	E. by N.	....	....	....	....
	5	....	....	....	....	....	....	....	....	....
	6	....	....	....	....	....	....	....	....	....
	7	W.	....	W.	....	W.	....	N.	....	N.
	8	NE.	....	NE.	....	NE.	....	NE.	....	NE.
	9	....	....	....	....	....	....	....	....	....
	10	SW.	....	SW.	....	SW.	....	....	....	....
	11	....	....	....	....	....	....	....	....	....
	12	....	....	....	....	....	....	....	....	....
	13	....	....	....	....	....	....	E.	....	E.
	14	E.	....	E.	....	E.	....	....	....	....
	15	....	....	....	....	....	....	....	....	....
	16	SW.	....	SW.	....	SW.	....	NE.	....	NE.
	17	NE.	....	NE.	....	NE.	....	....	Moderate.	....
	18	SE.	....	SE.	....	SE.	....	....	Light.	....
	19	NE.	....	NE.	....	NE.	....	....	Moderate.	....
	20	E.	....	E.	....	E.	....	....	Light.	....
	21	....	....	....	....	....	....	....	....	....
	22	NE. by E.	....	NE. by E.	....	NE. by E.	....	E.	....	E.
	23	SE.	....	SE.	....	SE.	....	E.	....	....
	24	SE.	....	....	....	....	....	....	....	....
	25	SW.	....	SW.	....	SW.	....	NE.	NE.	NE
	26	NE.	....	NE.	....	NE.	....	....	....	....
	27	S.	....	S.	....	S.	....	....	....	....
	28	E.	....	E.	....	E.	....	....	....	....
	29	....	....	....	....	....	....	....	....	....
	30	NE.	....	NE.	....	NE.	....	....	Brisk.	....
	31	....	Brisk.	....	Brisk.	....	Brisk.	E. by S.	....	E. by S.

	Hours.	3^{h}	00^{m}	3^{h}	30^{m}	4^{h}	00^{m}	9^{h}	30^{m}	10^{h}
	Date.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.
NOVEMBER, 1846.	1	NE.	Brisk.	NE.	Brisk.	NE.	Brisk.	NE.	Brisk.	NE.
	2	....	....	....	....	....	....	....	....	....
	3	....	....	....	....	....	....	....	....	....
	4	....	Light.	....	Light.	....	Light.	....	Light.	....
	5	E. by S.	....	E. by S.	....	E. by S.	....	....	....	....
	6	....	....	....	....	....	....	....	....	....
	7	E.	....	E.	....	E.	....	E.	....	E.
	8	....	....	....	....	....	....	....	....	....
	9	....	....	....	....	....	....	....	....	....
	10	E. by N.	....	E. by N.	....	E. by N.	....	....	....	....
	11	E. by S.	....	E. by S.	....	E. by S.	....	....	....	....
	12	SE.	....	SE.	....	SE.	....	NE.	....	NE.
	13	....	....	....	....	....	....	....	....	....
	14	E.	Brisk.	E.	Brisk.	E.	Brisk.	NE.	Brisk.	NE.
	15	....	Light.	....	Light.	....	Light.	....	Light.	....
	16	SE.	....	SE.	....	SE.	....	E.	....	E.
	17	E.	....	E.	....	E.	....	E.	....	....
	18	SE.	....	SE.	....	SE.	....	NE.	....	NE.
	19	NE.	Moderate.	NE.	Moderate.	NE.	Moderate.	....	Brisk.	....
	20	E. by S.	....	E. by S.	....	E. by S.	....	....	....	....
	21	....	Light.	....	Light.	....	Light.	....	Moderate.	....
	22	SE.	....	SE.	....	SE.	....	....	Light.	....
	23	NE.	....	NE.	....	NE.	....	....	....	....
	24	....	....	....	....	....	....	....	....	....
	25	E.	Moderate.	E.	Moderate.	E.	Moderate.	N. by W.	....	N. by W.
	26	....	....	....	....	N. by W.	Light.	N. by W.	....	....
	27	....	....	....	....	....	....	E.	....	E.
	28	....	....	....	....	....	....	E. by N.	Brisk.	E. by N.
	29	E. by N.	Brisk.	E. by N.	Brisk.	E. by N.	Brisk.	N. by E.	....	N. by E.
	30	NE.	Light.	NE.	Light.	NE.	Light.	NE.	....	NE.
	31									

Direction and Force of the Wind, during the three turning points of the Barometer.

Hours.	00m	10h 30m		21h 30m		22h 00m		22h 30m	
Date.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
OCTOBER, 1846. 1	Light.	NE.	Light.	NE.	Light.	NE.	Light.	NE.	Light.
2	....	....	....	E. by N.	....	E. by N.	....	E. by N.	....
3	....	....	....	N.	Moderate.	N.	Moderate.	N.	Moderate.
4	....	....	....	E by N.	....	E. by N.	....	E. by N.	....
5	....	....	....	NE.	....	NE.	....	NE.	....
6	....	....	....	SW.	Light.	SW.	Light.	SW.	Light.
7	....	N.	....	NE.	....	NE.	....	NE.	....
8	....	NE.	....	....	....	....	....	....	....
9	....	....	....	SW.	....	SW.	....	SW.	....
10	....	....	....	NE.	....	NE.	....	NE.	....
11	....	....	....	....	....	....	....	....	....
12	....	....	....	....	....	....	....	....	....
13	....	E.	....	E.	....	E.	....	E.	....
14	....	....	....	....	....	....	....	....	....
15	....	....	....	....	....	....	....	....	....
16	....	NE.	....	NE.	Brisk.	NE.	Brisk.	NE.	Brisk.
17	Moderate.	....	Moderate.	E.	....	E.	....	E.	....
18	Light.	....	Light.	NE.	Light.	NE.	Light.	NE.	Light.
19	Moderate.	....	Moderate.	E.	....	E.	....	E.	....
20	Light.	....	Light.	....	....	....	....	....	....
21	....	....	....	....	....	....	....	....	....
22	....	E.	....	....	....	....	....	....	....
23	....	....	....	....	....	....	....	....	....
24	....	....	....	N. by E.	....	N. by E.	....	N. by E.	....
25	....	NE.	....	NE.	....	NE.	....	NE.	....
26	....	....	....	....	....	....	....	....	....
27	....	....	....	....	....	....	....	....	....
28	....	....	....	....	....	....	....	....	....
29	....	....	....	....	....	....	....	....	....
30	Brisk.	....	Brisk.	E. by S.	Brisk.	E. by S.	Brisk.	E. by S.	Brisk.
31	....	E. by S.	....	E. by N.	....	E. by N.	....	E. by N.	....

Hours.	00m	10h 30m		21h 30m		22h 00m		22h 30m	
Date.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
NOVEMBER, 1846. 1	Brisk.	NE.	Brisk.	NE.	Brisk.	NE.	Brisk.	NE.	Brisk.
2	....	....	....	....	....	....	....	....	....
3	....	....	....	E. by S.	Light.	E. by S.	Light.	N.	Light.
4	Light.	....	Light.	....	....	....	....	E. by S.	....
5	....	....	....	NE.	....	NE.	....	NE.	....
6	....	....	....	E.	....	E.	....	E.	....
7	....	E.	....	....	....	....	....	....	....
8	....	....	....	....	....	....	....	....	....
9	....	....	....	E. by N.	....	E. by N.	....	E. by N.	....
10	....	....	....	E. by S.	....	E. by S.	....	E. by S.	....
11	....	....	....	E. by N.	....	E. by N.	....	E by N.	....
12	....	NE.	....	NE.	....	E.	....	E. by S.	....
13	....	....	....	....	....	NE.	....	NE.	....
14	Brisk.	....	Brisk.	....	Brisk.	E.	Brisk.	E.	Brisk.
15	Light.	....	Light.	....	Light.	NE.	Light.	NE.	Light.
16	....	E.	....	E. by S.	....	E. by S.	....	E. by S.	....
17	....	....	....	NE.	Moderate.	NE.	Moderate.	NE.	Moderate.
18	....	NE.	....	....	....	....	....	....	....
19	Brisk.	...	Brisk.	S. by E.	....	S. by E.	....	S. by E.	....
20	....	....	....	E. by S.	Light.	E. by S.	Light.	E. by S.	Light.
21	Moderate.	....	Moderate.	NE.	Moderate.	NE.	Moderate.	NE.	Moderate.
22	Light.	....	Light.	....	Light.	....	Light.	....	Light.
23	...	....	....	....	....	....	....	....	...
24	....	....	....	....	....	....	....	....	....
25	....	N. by W.	....	N. by E.	N. by E.	N. by E.	....	NE.	....
26	....	....	....	....	....	....	....	....	....
27	....	E.	....	E.	....	E.	....	E.	....
28	Brisk.	E. by N.	Brisk.	....	Brisk.	....	Brisk.	....	Brisk.
29	....	N. by E.	....	NE.	....	NE.	....	NE.	....
30	....	NE.	....	E. by S.	Light.	E. by S.	Light.	E. by S.	Light.
31									

		Direction and Force of the Wind, during the three turning points of the Barometer.								
	Hours.	3h 00m		3h 30m		4h 00m		9h 30m		10h
	Date.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.
DECEMBER, 1846.	1	E.	Light.	E.	Light.	E.	Light.	E.	Moderate.	E.
	2	E. by S.	....	E. by S.	....	E. by S.	....	E. by S.	Light.	E. by S.
	3	NE.	Brisk.	NE.	Brisk.	NE.	Brisk.	E.	Brisk.	E.
	4	E.	....	E.	....	E.	....	....	....	....
	5	E. by S.	....	E. by S.	....	E. by S.	....	NE.	....	NE.
	6	E.	....	E.	....	E.	....	E.	....	E.
	7	....	...	....	....	....	....	E. by N.	....	E. by N.
	8	E. by S.	Moderate.	E. by S.	Moderate.	E. by S.	Moderate.	E.	Moderate.	E.
	9	SE.	....	SE.	....	SE.	....	SE.	....	SE.
	10	E.	Light.	E.	Light.	E.	Light.	E.	Light.	E.
	11	E. by S.	....	E. by S.	....	E. by S.	....	E. by S.	....	E. by S.
	12	....	....	....	....	....	...	....	....	....
	13	....	....	....	....	....	....	....	....	....
	14	....	....	....	....	....	....	....	....	....
	15	....	....	....	....	....	....	....	....	....
	16	....	....	....	....	....	....	....	....	....
	17	....	....	....	....	....	....	....	....	....
	18	....	....	....	....	....	....	SE.	....	SE.
	19	SE.	Brisk.	SE.	Brisk.	SE.	Brisk.	....	Brisk.	....
	20	E. by S.	....	E. by S.	....	E. by S.	....	E. by S.	....	E. by S.
	21	E.	Light.	E.	Light.	E.	Light.	E. by S.	Light.	....
	22	E. by S.	....	E. by S.	....	E. by S.	....	....	....	....
	23	E.	....	E.	....	E.	....	E.	....	E.
	24	....	....	....	....	....	....	....	....	....
	25									
	26	E. by S.	....	E. by S.	....	E. by S.	....	E. by S.	....	E. by S.
	27	....	....	....	....	....	....	....	....	....
	28	....	Brisk.	....	Brisk.	....	Brisk.	....	Brisk.	....
	29	....	Moderate.	....	Moderate.	....	Moderate.	....	Light.	....
	30	....	Brisk.	....	Brisk.	....	Brisk.	....	Brisk.	....
	31	E.	Light.	E.	Light.	E.	Light.	E.	Light.	E.

		Direction and Force of the Wind, during the three turning points of the Barometer.								
	Hour.	00m	10h	30m	21h	30m	22h	00	22h	30m
	Date.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
DECEMBER, 1846.	1	Moderate.	E.	Moderate.	E. by S.	Light.	E. by S.	Light.	E. by S.	Light.
	2	Light.	E. by S.	Light.	....	....	....	....	....	....
	3	Brisk.	E.	Brisk.	E.	Brisk.	E.	Brisk.	E.	Brisk.
	4	....	....	....	....	....	....	....	....	....
	5	....	NE.	....	E. by N.	....	E. by N.	....	E. by N.	....
	6	....	E.	....	E. by S.	....	E. by S.	....	E. by S.	....
	7	....	E. by N.	....	E.	Light.	E.	Light.	E.	Light.
	8	Moderate.	E.	Moderate.	SE.	Moderate	SE.	Moderate.	SE.	Moderate.
	9	....	SE.	....	E.	Light.	E.	Light.	E.	Light.
	10	Light.	E.	Light.	E. by S.	....	E. by S.	....	E. by S.	....
	11	....	E. by S.	....	....	....	....	....	....	....
	12	....	....	....	....	....	....	....	....	....
	13	....	....	....	....	....	....	....	....	....
	14	....	....	....	....	....	....	....	....	....
	15	....	....	....	....	....	....	....	....	....
	16	....	....	....	....	....	....	....	....	....
	17	....	....	....	....	....	....	....	....	....
	18	....	SE.	....	SE.	....	SE.	....	SE.	....
	19	Brisk.	....	Brisk.	....	Brisk.	....	Brisk.	....	Brisk.
	20	....	E. by S.	....	E. by S.	....	E. by S.	....	E. by S.	....
	21	Light.	....	Light.	....	Light.	....	Light.	....	Light.
	22	....	....	....	....	....	....	....	....	....
	23	....	E.	....	SE.	....	SE.	....	SE.	....
	24	....	....	....	....	....	....	....	....	....
	25									
	26	....	E. by S.	....	E. by S.	....	E. by S.	....	E. by S.	....
	27	....	....	....	....	....	....	....	....	....
	28	Brisk.	....	Brisk.	E. by S.	....	E. by S.	Brisk.	E. by S.	Brisk.
	29	Light.	....	Light.	E.	Light.	E.	Light.	E.	Light.
	30	Brisk.	....	Brisk.	....	Brisk.	....	Brisk.	....	Brisk.
	31	Light.	E.	Light.	E.	Light.	E.	Light.	E.	Light.

Date.		Prevailing Clouds during the three turning points of the Barometer.				
		3^h 00^m	3^h 30^m	4^h 00^m	9^h 30^m	10^h 00^m
APRIL, 1846.	1	2/8 Cirrus.	3/8 Cirrus.	1/8 Cirrus.	3/8 Cirrsotratus.	4/8 Cirrostratus.
	2	3/8 Cirrocumulus.	5/8 Cirrocumulus.	6/8 Cirrocumulus.	3/8 Cumulostratus.	4/8 Cumulus.
	3	Clear.	Clear.	Clear.	Clear.	Clear.
	4	7/8 Cirrostratus.	5/8 Cirrostratus.	5/8 Cirrostratus.	3/8 Cumulostratus.	4/8 Stratus.
	5	3/8 Cirrostratus.	3/8 Cirrostratus.	4/8 Cirrostratus.	6/8 Cumulostratus.	6/8 Stratus.
	6	Hr. Cirrus.	2/8 Cirrus.	3/8 Cirrus.	3/8 Cirrostratus.	3/8 Cirrus.
	7	Hr. Cumulus.	Hr. Cumulus.	2/8 Cirrus.	3/8 Cirrostratus.	3/8 Cirrus.
	8	Hr. Cumulus.	Hr. Cumulus.	3/8 Cirrostratus.	7/8 Cirrostratus.	5/8 Cirrostratus.
	9	Hr. Cirrocumulus.	2/8 Cirrocumulus.	3/8 Cirrostratus.	7/8 Cirrostratus.	3/8 Cirrostratus.
	10	Hr. Cirrostratus.	6/8 Cirrostratus.	7/8 Cirrostratus.	4/8 Cirrostratus.	4/8 Cirrostratus.
	11	3/8 Cirrocumulus.	3/8 Cirrostratus.	3/8 Cirrostratus.	3/8 Cirrostratus.	4/8 Cirrostratus.
	12	3/8 Cirrocumulus.	2/8 Cirrocumulus.	3/8 Cirrostratus.	Clear.	Clear.
	13	3/8 Cirrocumulus.	Hr.Stratus,Z.Clear.	Cirrostratus in Hr.	4/8 Cirrostratus.	Hr. Cirrus.
	14	2/8 Cirrus.	1/8 Cirrus.	Clear.	6/8 Stratus.	6/8 Stratus.
	15	1/8 Cirrus. [Cirrus.	1/8 Cirrus. [Cirrus.	1/8 Cirrus.	Clear.	Clear
	16	Cumulus. in Hr., Z.	Cumulus in Hr., Z.	4/8 Cumulostratus.	6/8 Stratus.	7/8 Stratus.
	17	Cirrus in NE. Hr.	1/8 Cirrus.	Hr. Cirrocumulus.	Clear.	Clear.
	18	Cumulostratus.	Hr. Cirrocumulus.	2/8 Cirrocumulus.	Clear.	Clear.
	19	Clear.	Clear.	Clear.	Clear.	1/8 Cirrus.
	20	1/8 Cirrostratus.	3/8 Cirrostratus.	4/8 Cirrostratus.	Clear.	Clear.
	21	Clear.	Clear.	Clear.	Clear.	Clear.
	22	2/8 Cumulostratus.	3/8 Cumulus.	1/8 Cirrostratus.	1/8 Stratus.	1/8 Stratus.
	23	1/8 Cirrus.	2/8 Cirrostratus.	1/8 Cirrostratus.	Clear.	Clear.
	24	Hr. Cumulus.	1/8 Cirrocumulus.	2/8 Cirrocumulus.	1/8 Cumulus.	3/8 Cumulus.
	25	Clear.	Clear.	Clear.	3/8 Stratus.	3/8 Stratus.
	26	Clear.	Clear.	Clear.	4/8 Stratus.	3/8 Stratns.
	27	3/8 Cirrus.	3/8 Cirrus.	3/8 Cirrus.	1/8 Cirrostratus.	1/8 Cirrostratus.
	28	3/8 Cirrus.	2/8 Cirrus.	2/8 Cirrocumulus.	2/8 Stratus.	1/8 Stratus.
	29	Clear.	Clear.	Clear.	2/8 Stratus.	5/8 Stratus.
	30	2/8 Cumulus.	Hr. Cumulus.	Hr. Cumulus.	4/8 Stratus.	5/8 Stratus.
	31					

Date.		Prevailing Clouds during the three turning points of the Barometer.				
		3^h 00^m	3^h 30^m	4^h 00^m	9^h 30^m	10^h 00^m
MAY, 1846.	1	6/8 Stratus.	5/8 Stratus.	4/8 Stratus.	6/8 Stratus.	8/8 Stratus.
	2	5/8 Nimbus.	4/8 Nimbus.	4/8 Nimbus.	2/8 Cirrostratus.	6/8 Cumulostratus.
	3	1/8 Cumulus.	3/8 Cumulus.	4/8 Cumulus. [in Z.	5/8 Cumulus.	4/8 Cumulostratus.
	4	2/8 Cirrostratus.	Hr. Cirrostratus.	Stratus in Hr., Cirrus	Clear.	Clear.
	5	4/8 Cirrostratus.	5/8 Cirrostratus.	6/8 Cirrostratus.	3/8 C. Stratus, 1/8 Cirrus.	2/8 Cirrostratus.
	6	2/8 Cirrostratus.	3/8 Cirrostratus.	2/8 Cirrostratus.	3/8 Cirrus.	4/8 Cirrus.
	7	NE. Hr. Cumulus.	3/8 Cirrostratus.	2/8 Cirrostratus.	Clear.	Clear.
	8	6/8 Cirrostratus.	6/8 Cirrostratus.	6/8 Cirrostratus.	3/8 Cirrostratus.	2/8 Cirrostratus.
	9	Clear.	Clear.	Clear.	Clear.	Clear.
	10	Clear.	Clear.	Clear.	5/8 Cirrus.	3/8 Cirrus.
	11	7/8 Cirrostratus.	6/8 Cirrostratus.	6/8 Cirrostratus.	6/8 Stratus	8/8 Stratus.
	12	2/8 Hr. Stratus : Cirrus.	2/8 Hr. Stratus : Cirrus.	2/8 Hr. Stratus : Cirrus.	6/8 Cirrotratus.	6/8 Cirrostratus.
	13	2/8 Cirrus.	3/8 Cirrus.	4/8 Cirrus.	3/8 Stratus.	3/8 Stratus.
	14	Clear.	Clear.	Clear.	1/8 Cirrus. .	2/8 Cirrus.
	15	Clear.	Clear.	Clear.	2/8 Stratus.	3/8 Stratus.
	16	6/8 Cumulus.	5/8 Cumulostratus.	3/8 Cumulostratus.	3/8 Cumulus. [N.	2/8 Cumulus. [in N.
	17	4/8 Cumulostratus.	5/8 Cumulostratus.	1/8 Cirrus.	Cirrus in S: Lightning in	Cirrus in W : Lightning
	18	4/8 Cumulostratus.	1/8 Cirs. 3/8 Culo. Strs.	4/8 Cumulostratus.	3/8 Stratus.	4/8 Stratus.
	19	1/8 Cirrostratus.	2/8 Cumulo Stratus.	Hr. Cirrostratus.	1/8 Cirrus.	1/8 Cirrus.
	20	3/8 Cirrostratus.	Stratus in Hr. from N.	3/8 Stratus.	1/8 Cirrostratus.	2/8 Cirrostratus.
	21	5/8 Stratus.	6/8 Stratus. [to W.	6/8 Stratus.	3/8 Cirrostratus.	4/8 Cirrostratus.
	22	Hr. Cumulus.	Hr. Cumulus.	Hr. Cumulus.	Clear.	Clear.
	23	4/8 Stratus.	5/8 Stratus.	4/8 Stratus.	2/8 Cirrostratus.	3/8 Cirrostratus
	24	3/8 Cirrostratus.	3/8 Cirrostratus.	3/8 Cirrostratus.	1/8 Cirrostratus.	1/8 Cirrus.
	25	Hr. Cirrostratus.	Hr. Cirrostratus.	S. in the H.from N.toW.	2/8 Stratus.	5/8 Stratus.
	26	Clear.	Clear.	Clear.	2/8 Cirrostratus.	1/8 Cirrostratus.
	27	2/8 Cirrus.	4/8 Cirrus.	3/8 Cirrus.	Cirrus in the E.	Clear.
	28	Clear.	Clear.	Clear.	Clear.	Clear.
	29	Hr. Cirrostratus.	Cirrostratus in E.	Cirrostratus in the E.	1/8 Cirrus.	Clear.
	30	Clear.	Clear.	Clear.	Clear.	Clear.
	31	Hr. Stratus.	Hr. Stratus.	Hr. Stratus.	3/8 Cirrostratus.	2/8 Cirrostratus.

Date.		*Prevailing Clouds during the three turning Points of the Barometer.*				
		10^h 30^m	21^h 30^m	22^h 00^m	22^h 30^m	The number of Grains Evaporated off of an area of 78 inches in 24h.
APRIL, 1846.	1	3/8 Stratus.	Hr. Stratus ; Z. Cirrus.	Hr. Stratus.	4/8 Stratus.	1700
	2	2/8 Cumulus.	Clear.	Clear.	Clear.	1800
	3	Clear.	3/8 Cirrostratus.	4/8 Cirrostratus.	2/8 Cirrostratus.	1750
	4	5/8 Stratus.	5/8 Cumulostratus.	Z.Crs ; Hr. Cumulostrs.	2/8 Cirrocumulus.	1760
	5	6/8 Stratus.	2/8 Stratus, 3/8 Cumulus.	2/8 Cumulostratus.	2/8 Cirrostratus.	2000
	6	6/8 Stratus.	Hr. Cumulus.	2/8 Cumulostratus.	4/8 Cumulus.	1700
	7	2/8 Cirrus.	Hr. Cirrus.	Hr. Stratus.	Clear.	1550
	8	7/8 Cirrostratus.	2/8 Cirrostratus.	2/8 Cumulus.	3/8 Cirrostratus.	1500
	9	3/8 Cirrostratus.	5/8 Cumulostratus.	6/8 Cumulostratus.	5/8 Cirrostratus.	1750
	10	3/8 Cirrostratus.	3/8 Cirro Stratus.	4/8 Cirrostratus.	6/8 Cirrostratus.	1920
	11	5/8 Stratus.	Hr. Cumulus ; Z. Cirro-	3/8 Cumulostratus.	3/8 Cumulostratus.	1800
	12	2/8 Cirrus.	5/8 Cumulus. [stratus.	4/8 Cumulus.	5/8 Cumulus.	2100
	13	Hr. Cirrus.	6/8 Stratus.	7/8 Stratus.	6/8 Stratus.	2220
	14	7/8 Stratus.	2/8 Cirrus.	1/8 Cirrus.	3/8 Cirrus.	1700
	15	Clear.	6/8 Cumulostratus.	6/8 Cumulostratus.	6/8 Cumulostratus.	1900
	16	4/8 Stratus.	Cirrus in the Horizon.	1/8 Cirrus.	Clear.	2100
	17	Clear.	5/8 Cumulostratus.	7/8 Cumulostratus.	7/8 Cumulostratus.	1900
	18	Clear.	Cumulostratus.	Hr. Cirrostratus.	Hr. Cirrostratus.	1800
	19	1/8 Cirrostratus.	Hr. Stratus; Z. Cumulus	2/8 Cumulus, 1/8 Stratus	4/8 Cumulostratus.	1700
	20	Clear.	1/8 Cumulus.	2/8 Cumulus.	1/8 Cumulus.	2200
	21	Clear.	4/8 Stratus.	4/8 Stratus.	5/8 Stratus.	1800
	22	2/8 Stratus.	1/8 Cirrus.	1/8 Cirrus.	2/8 Cirrocumulus.	2000
	23	Cirrostratus in the S.	3/8 Cumulostratus.	4/8 Cumulostratus.	4/8 Cumulostratus.	1700
	24	2/8 Cirrocumulus.	2/8 Cumulostratus.	2/8 Cumulostratus.	Hr. Cumulus.	1700
	25	4/8 Stratus.	3/8 Cumulus.	3/8 Cumulus.	4/8 Cumulus.	1800
	26	2/8 Stratus.	6/8 Cumulostratus.	4/8 Cumulostratus.	3/8 Cumulostratus.	1750
	27	3/8 Stratus.	Cirrus in the Hr.	1/8 Cirrus.	Clear.	1700
	28	Clear.	1/8 Cumulus.	3/8 Cumulus.	2/8 Cumulostratus.	1500
	29	6/8 Stratus.	5/8 Cumulostratus.	6/8 Cumulostratus.	3/8 Cumulostratus.	1750
	30	6/8 Stratus.	8/8 Stratus.	8/8 Stratus.	8/8 Stratus.	1700
	31					

Date.		*Prevailing Clouds during the three turning Points of the Barometer.*				
		10^h 30^m	21^h 30^m	22^h 00^m	22^h 30^m	The number of Grains Evaporated off of an area of 78 inches.
MAY, 1846.	1	Nimbus.	Nimbus.	Nimbus.	Nimbus.	1100
	2	6/8 Cumulostratus.	1/8 Cirrostratus.	1/8 Cirrostratus.	1/8 Cirrus.	900
	3	3/8 Cumulostratus.	2/8 Stratus.	3/8 Stratus.	4/8 Stratus.	1380
	4	Clear.	4/8 Cumulostratus.	5/8 Cumulostratus.	6/8 Cumulostratus.	1000
	5	2/8 Cirrostratus.	1/8 Cirrus 2/8 Cumulus.	3/8 Cirrocumulus.	3/8 Cumulus with Cirrus	1400
	6	5/8 Cirrus.	Cirrus in the N.	Cirrus in the NE.	Cirrus in the NE.	1550
	7	Clear.	3/8 Cumulostratus.	5/8 Cumulostratus.	4/8 Cumulostratus.	1600
	8	2/8 Cirrostratus.	Clear.	Clear.	Clear.	1700
	9	Clear.	8/8 Cirrostratus.	4/8 Cirrostratus.	3/8 Cirrostratus.	1850
	10	3/8 Cirrus.	4/8 Cumulostratus.	5/8 Cumulostratus.	6/8 Cumulostratus.	2200
	11	8/8 Stratus.	7/8 Cumulostratus.	7/8 Cumulostratus.	6/8 Cumulostratus.	2200
	12	6/8 Cirrostratus.	5/8 Cirrostratus.	4/8 Cirrostratus.	4/8 Cirrostratus.	2120
	13	3/8 Stratus.	Cirrus in the S.&SW.	1/8 Cirrus.	1/8 Cirrus.	2500
	14	3/8 Cirrus.	4/8 Cumulostratus.	4/8 Cumulostratus.	6/8 Cumulostratus.	3000
	15	4/8 Stratus.	6/8 Cumulus.	4/8 Cumulostratus.	2/8 Cumulostratus.	3400
	16	4/8 Cumulus. [in N.	5/8 Cumulostratus.	4/8 Cumulostratus.	2/8 Cumulostratus.	3200
	17	Cirro in W : Lightning	Hr. Cumulus.	Hr. Cumulus.	3/8 Stratus.	3200
	18	3/8 Stratus.	5/8 Cumulostratus.	4/8 Cumulostratus.	4/8 Cumulostratus.	3200
	19	2/8 Cirrostratus.	3/8 Cumulostratus.	2/8 Cumulostratus.	Z. Cirrus ; Hr. Cumls.	3000
	20	3/8 Cirrostratus.	2/8 Stratus.	2/8 Cumulus.	1/8 Cumulus.	3000
	21	7/8 Cirrostratus.	5/8 Cumulostratus.	5/8 Cumulostratus.	Hr.Cumulostratus.	2800
	22	Clear.	2/8 Hr. Cumulostratus.	2/8 Hr.Cumls, Cirrostrs.	2/8 Hr. Culs.Cirrostrs.	3000
	23	3/8 Cirrostratus.	6/8 Cirrostratus.	6/8 Stratus.	5/8 Stratus.	3100
	24	1/8 Cirrus.	2/8 Hr. Strs. Cirroculs.	1/8 Hr. Strs. Cirroculs.	1/8 Hr.Strs. Cirroculs.	3450
	25	5/8 Stratus. [Dew.	Cumulus N.	Clear.	Clear.	4000
	26	1/8 Cirrostratus with	2/8 Cirrus.	8/8 Cirrus.	3/8 Cirrus.	3900
	27	Cirrus in the E.	Clear.	Clear.	Clear.	4200
	28	Clear.	6/8 Cumulostratus.	2/8 Hr. Cumulus, Cirrus.	2/8 Cirrus.	4000
	29	Clear.	2/8 Cirrus.	2/8 Cirrus.	1/8 Cirrus.	3800
	30	Clear.	Clear.	Clear.	Clear.	4300
	31	3/8 Cirrostratus.	6/8 Cirrus.	6/8 Cirrus.	6/8 Cirrus.	4500

	Date.	*Prevailing Clouds during the three turning Points of the Barometer.*				
		3^{h} 00^{m}	3^{h} 30^{m}	4^{h} 00^{m}	9^{h} 30^{m}	10^{h} 00^{m}
JUNE 1846.	1	3/8 Stratus.	2/8 Stratus.	1/8 Stratus.	3/8 Cirrostratus.	2/8 Cirrostratus.
	2	2/8 Cirrus.	3/8 Cirrostratus.	1/8 Cirrostratus.	3/8 Cumulus.	3/8 Cumulus.
	3	Clear.	Clear.	Clear.	Cirrus in the W.	Cirro in the W.
	4	Hr. Stratus.	Hr. Stratus.	Clear.	Clear.	Clear.
	5	Clear.	Clear.	Clear.	Clear.	Clear.
	6	Clear.	Clear.	Clear.	1/8 Cirrus.	1/8 Cirrus.
	7	Clear.	Clear.	Clear.	Clear.	Clear.
	8	Clear.	Clear.	Clear.	4/8 Cirrus.	3/8 Cirrus.
	9	Clear.	Clear.	Clear.	Clear.	Clear.
	10	Clear.	Clear.	Clear.	Clear.	Clear.
	11	3/8 Cirrus.	2/8 Cirrus.	4/8 Cirrus.	3/8 Cirrostratus.	4/8 Cirrostratus.
	12	3/8 Cirrostratus.	4/8 Cirrostratus.	5/8 Cirrostratus.	1/8 Cumulus, 5/8 Stratus	1/8 Cumulus, 6/8 Stratus.
	13	Cumulostratus in the West.	Cumulostratus in the West.	Cumulostratus in the W.	2/8 Cirrus.	3/8 Cirrus.
	14	Clear.	Clear.	Clear.	2/8 Cirrus.	3/6 Cirrus.
	15	4/8 Cirrostratus.	3/8 Cirrostratus.	2/8 Cirrostratus.	1/8 Cirrus.	1/8 Cirrus.
	16	3/8 Cirrus.	2/8 Cirrus.	2/8 Cirrus.	Clear.	Clear.
	17	4/8 Cumulus.	5/8 Cumulus.	4/8 Cumulus.	Z. Cirrus.	Z. Cirrus.
	18	1/8 Cirrus.	6/9 Cirrus.	4/8 Cirrus.	1/8 Cirrus.	Clear.
	19	3/8 Cirrus.	2/8 Cirrus.	3/8 Cirrus.	N. W. Stratus.	2/8 Cirrostratus.
	20	Cumulus in the W.	Cumulus in the W.	Cumulus in the W.	5/8 Cumulostratus.	4/8 Cumulostratus.
	21	3/8 Cirrus.	2/8 Cirrus.	1/8 Cirrus.	6/8 Cumulostratus.	5/8 Cumulostratus.
	22	1/8 Cirrostratus.	2/8 Cirrostratus.	2/8 Cirrostratus.	1/8 Cirrostratus.	1/8 Cirrostratus.
	23	Hr. Cirrus.	Hr. Cirrus.	1/8 Cirrus.	4/8 Stratus.	1/6 Cirrus.
	24	Clear.	Clear.	Clear.	Clear.	Clear.
	25	4/8 Cirrostratus.	4/8 Cirrostratus.	3/8 Cirrostratus.	8/8 Overcast.	8/8 Overcast.
	26	3/8 Cirrostratus.	3/8 Cirrostratus.	2/8 Cirrostratus.	8/8 Overcast.	8/8 Overcast.
	27	Clear.	Clear.	Clear.	7/8 Stratus.	7/8 Stratus.
	28	4/8 Cirrostratus.	5/8 Cirrostratus.	6/8 Cirrostratus.	Heavy mist.	Heavy mist.
	29	1/8 Cirrus.	1/8 Cirrus.	Clear.	2/8 Stratus.	2/8 Stratus.
	30	Hr. Stratus.	N. Hr. Stratus.	N. Hr. Stratus.	6/8 Stratus.	7/8 Stratus.
	31					

	Date.	*Prevailing Clouds during the three turning points of the Barometer.*				
		3^{h} 00^{m}	3^{h} 30^{m}	4^{h} 00^{m}	9^{h} 30^{m}	10^{h} 00^{m}
JULY, 1846.	1	Hr misty.	Hr. misty.	Hr. misty.	7/8 Stratus.	7/8 Stratus.
	2	6/8 Stratus.	6/8 Stratus.	6/8 Stratus.	7/8 Cumulostratus.	5/8 Cumulostratus.
	3	8/8 Cumulostratus.	8/8 Cumulostratus.	7/8 Cumulostratus.	7/8 Nimbus.	6/8 Nimbus.
	4	7/8 Cumulostratus.	7/8 Cumulostratus.	7/8 Cumulostratus.	4/8 Cirrostratus.	4/8 Cirrostratus.
	5	5/8 Stratus.	6/8 Stratus.	6/8 Stratus.	7/8 Stratus.	7/8 Stratus.
	6	6/8 Cirrostratus	3/8 Cirrostratus.	3/8 Cirrostratus.	4/8 Cumulus.	5/8 Cumulus.
	7	1/8 Cirrostratus	Clear.	Clear.	2/8 Cumulostratus.	2/8 Cumulostratus.
	8	3/8 Cirrus.	2/8 Cirrus.	2/8 Cirrus.	4/8 Cirrostratus.	2/8 Cirrostratus.
	9	4/8 Cirrus	4/8 Cirrus.	5/8 Cirrus.	6/8 Cumulus.	5/8 Cumulus.
	10	2/8 Cirrostratus.	2/8 Cirrostratus.	2/8 Cirrostratus.	Clear.	Clear.
	11	Clear.	Clear.	Clear.	Clear.	Clear.
	12	Clear.	Clear.	Clear	Clear.	Clear.
	13	6/8 Cumulostratus.	6/8 Cirrostratus.	4/8 Cumulostratus.	8/8 Cirrostratus.	3/8 Cirrostratus.
	14	1/8 Cirrus.	1/8 Cirrus.	1/8 Cirrus.	3/8 Stratus.	[illegible] Stratus.
	15	Hr. Strs.; Z. Cumulus.	Hr. Strs ; Z. Cumulus.	7/8 Cumulus.	2/8 Cirrostratus.	[illegible] Cirrostratus.
	16	Hr. Strs.; Z. Cumulus.	Hr. Strs.; Z. Cumulus.	Hr. Strs.; Z. Cumulus.	Clear.	Clear.
	17	3/8 Cumulostratus.	3/8 Cumulostratus.	2/8 Cumulostratus.	2/8 Cirrus.	[illegible] Cirrus.
	18	3/8 Stratus.	3/8 Stratus.	3/8 Stratus.	3/8 Stratus.	3/8 Stratus.
	19	Hr. Strs.; Z. Cirroculs.	Hr. Strs. Cirroculs.	Hr. Strs.; Z. Cirroculs.	4/8 Cirrostratus.	6/8 Cirrostratus.
	20	5/8 Cumulostratus.	4/8 Cumulostratus.	3/8 Cumulostratus.	4/8 Cirrostratus.	[illegible] Cirrostratus.
	21	Clear.	Clear.	Clear.	Clear.	Clear.
	22	3/8 Cumulus.	5/8 Cumulus.	4/8 Cumulus.	8/8 Cirrostratus.	3/8 Cirrostratus.
	23	6/8 Cirrostratus.	6/8 Cirrostratus.	7/8 Stratus.	7/8 Stratus.	7/8 Stratus.
	24	5/8 Stratus.	5/8 Stratus.	4/8 Stratus.	6/8 Cumulostratus.	6/8 Cumulus.
	25	2/8 Stratus, 7/8 Cumulus.	2/8 Strs. 3/8 Cumulus.	2/8 Stratus, 3/8 Cumulus.	8/8 Stratus.	3/8 Stratus.
	26	2/8 Hr. Strs.; Cirrostrs.	3/8 Cirro Stratus.	3/8 Cirro Stratus.	3/8 Cirrostratus.	4/8 Cirrostratus.
	27	Hr. Strs.; Z. Cumulus.	Hr. Strs.; Z. Cumulus.	Hr. Strs.; Z. Cumulus.	6/8 Cumulostratus.	6/8 Cumulostratus.
	28	Hr. Stratus.	Hr. Stratus.	Hr. Stratus.	4/8 Cirrostratus.	3/8 Stsatus.
	29	3/8 Cirrus.	1/8 Cirrus.	1/8 Cirrus.	2/8 Cirrus.	2/8 Cirrus.
	30	3/8 Cirrostratus.	4/8 Stratus.	6/8 Stratus.	6/8 Cumulostratus.	6/8 Cumulostratus.
	31	7/8 Cirrostratus.	2/8 Cirrus 3/8 Cumulus.	4/8 Cirrostratus.	Clear.	Clear.

Date.		*Prevailing Clouds during the three turning points of the Barometer.*				
		10h 30m	21h 30m	22h 00m	22h 30m	The number of Grains Evaporated off of an area, 78 in.
JUNE, 1846.	1	$^3/_8$ Cirrostratus.	$^4/_8$ Cumulostratus.	$^3/_8$ Cumulostratus.	$^2/_8$ Cumulostratus.	3850
	2	$^3/_8$ Cumulus.	$^6/_8$ Cumulostratus.	Clear.	Clear.	4100
	3	Cirrus in the W.	Cirrus in the W.	Clear.	Clear.	4000
	4	Clear.	Clear.	Clear.	Clear.	3950
	5	Clear.	Clear.	Clear.	Clear.	3800
	6	$^1/_8$ Cirrus.	Clear.	Clear.	Clear.	3640
	7	Clear.	Clear.	Clear.	Clear.	3400
	8	$^3/_8$ Cirrus.	Clear.	Clear.	Clear.	3500
	9	Clear.	Clear.	Cirrostratus in NE.	Cirrostratus in NE.	3600
	10	Clear.	Clear.	Clear.	Clear.	3700
	11	$^5/_8$ Cirrostratus.	Clear.	Clear.	Clear.	3000
	12	$^6/_8$ Stratus.	$^3/_8$ Cumulostratus.	$^3/_8$ Cumulostratus.	$^3/_8$ Cumulostratus.	4230
	13	$^1/_8$ Cirrus.	$^6/_8$ Cirrus.	$^6/_8$ Cirrus.	$^6/_8$ Cirrus.	4300
	14	$^1/_8$ Cirrus.	$^1/_8$ Cirrus.	$^3/_8$ Cirrus.	$^2/_8$ Cirrus.	4200
	15	$^1/_8$ Cirrus.	$^1/_8$ Cumulus.	$^1/_8$ Cumulus.	$^1/_8$ Cumulus.	3250
	16	Clear.	$^6/_8$ Cumulostratus.	$^3/_8$ Cumulostratus.	$^2/_8$ Cumulostratus.	4300
	17	$^1/_8$ Cirrus.	$^5/_8$ Cirrus.	$^3/_8$ Cirrus.	$^3/_8$ Cirrus.	4500
	18	Clear.	$^4/_8$ Cirrus.	$^4/_8$ Cirrus.	$^3/_8$ Cirrus.	3700
	19	$^3/_8$ Cirrostratus.	$^3/_8$ Cirrostratus.	$^4/_8$ Cirrostratus.	$^2/_8$ Cirrostratus.	3750
	20	$^5/_8$ Cumulostratus.	$^3/_8$ Stratus, in the West	$^3/_8$ Stratus, in the West	$^3/_8$ Stratus, in the West	4150
	21	$^3/_8$ Cumulostratus.	Clear. [Cirrus.	Clear. [Cirrus.	Clear. [Cirrus.	4200
	22	$^1/_8$ Cirrostratus.	Clear.	Clear.	Clear.	4300
	23	Clear.	$^2/_8$ Stratus.	$^2/_8$ Stratus.	West Stratus.	4600
	24	Clear.	$^6/_8$ Stratus.	$^5/_8$ Stratus.	$^6/_8$ Stratus.	4800
	25	$^5/_8$ Overcast.	Hr. Stratus; Z. Cumulus	Hr. Stratus; Z Cumulus	Hr. Stratus; Z. Cumulus	4200
	26	$^8/_8$ Overcast.	$^3/_8$ Stratus.	$^1/_8$ Stratus.	$^1/_8$ Stratus.	4300
	27	$^7/_8$ Stratus.	$^1/_8$ Cirrus.	$^2/_8$ Cirrostratus.	$^6/_8$ Cirrostratus.	4300
	28	Heavy mist.	$^3/_8$ Stratus.	$^4/_8$ Stratus.	$^8/_8$ Cirrostratus.	4300
	29	$^4/_8$ Stratus.	$^6/_8$ Cumulus.	Hr. Cumulostratus.	Clear.	4000
	30	$^7/_8$ Stratus.	$^7/_8$ Stratus.	$^7/_8$ Stratus.	$^7/_8$ Stratus.	3500
	31					

Date.		*Prevailing Clouds during the three turning points of the Barometer.*				
		10h 30m	21h 30m	22h 00m	22h 30m	The number of Grains Evaporated off of an area, 78 in.
JULY, 1846.	1	$^7/_8$ Stratus.	$^6/_8$ Cirrostratus.	$^6/_8$ Cirrostratus.	$^6/_8$ Cirrostratus.	4500
	2	$^6/_8$ Stratus.	$^7/_8$ Stratus.	$^7/_8$ Stratus.	$^7/_8$ Stratus.	4450
	3	$^6/_8$ Nimbus.	$^2/_8$ Cumulus, $^5/_8$ Stratus	$^8/_8$ Cumulus.	$^5/_8$ Stratus.	5000
	4	$^4/_8$ Cirro Stratus.	$^4/_8$ Cirrostratus.	$^3/_8$ Stratus.	$^4/_8$ Cirrostratus.	4500
	5	$^7/_8$ Stratus.	$^1/_8$ Cirrostratus.	$^4/_8$ Cirrostratus.	$^1/_8$ Cirrostratus.	3900
	6	$^3/_8$ Cumulus.	$^2/_8$ Cirrostratus.	$^1/_8$ Cirrostratus.	$^3/_8$ Cirrostratus.	4000
	7	$^2/_8$ Cumulostratus.	$^1/_8$ Cirrus.	$^3/_8$ Cirrostratus.	$^3/_8$ Cirrus.	4300
	8	$^3/_8$ Cirrostratus.	$^5/_8$ Cirrus.	[illegible] Cirrus.	$^3/_8$ Cirrus.	4400
	9	$^4/_8$ Cumulus.	Clear.	$^4/_8$ Cirrus.	Clear.	4600
	10	Clear.	Clear.	Clear.	Clear.	4500
	11	Clear.	$^7/_8$ Cumulostratus.	Clear.	$^7/_8$ Cumulostratus.	4000
	12	Clear.	$^7/_8$ Cumulostratus.	$^7/_8$ Cumulostratus.	$^5/_8$ Cumulostratus.	5000
	13	$^2/_8$ Cirrostratus.	$^2/_8$ Cirrostratus.	$^7/_8$ Cumulostratus.	$^2/_8$ Cirrus.	5000
	14	$^2/_8$ Cirrus.	$^7/_8$ Stratus.	$^2/_8$ Cirrus.	$^8/_8$ Stratus.	4350
	15	$^2/_8$ Cirrostratus.	$^2/_8$ Cumulostratus.	$^7/_8$ Stratus.	$^2/_8$ Cirrostratus.	4000
	16	Clear.	Clear.	$^2/_8$ Cumulostratus.	Clear.	3550
	17	$^2/_8$ Cirrus.	$^3/_8$ Cirrostratus.	Clear.	$^2/_8$ Cirrus.	3600
	18	$^3/_8$ Cirrus.	$^3/_8$ Cirrostratus.	$^3/_8$ Cirrostratus	$^5/_8$ Cumulostratus.	4000
	19	$^6/_8$ Cirrostratus.	Cirrus in N.	Cirrus in S.	$^1/_8$ Cirrus.	4000
	20	$^1/_8$ Cirrus.	$^2/_8$ Stratus.	Cirrus in SW.	Cirrus in SW.	4500
	21	Clear.	Clear.	$^1/_8$ Cirrus.	$^1/_8$ Cirrus.	3800
	22	$^4/_8$ Cirrostratus.	$^7/_8$ Stratus.	$^7/_8$ Stratus.	$^6/_8$ Stratus.	4000
	23	$^7/_8$ Stratus.	$^7/_8$ Stratus.	$^6/_8$ Cumulostratus.	$^7/_8$ Cumulostratus.	5000
	24	$^6/_8$ Cumulostratus.	$^3/_8$ Cirrostratus.	$^2/_8$ Cirrostratus.	$^2/_8$ Cirrostratus.	4300
	25	$^6/_8$ Stratus.	$^3/_8$ Cirrostratus.	$^3/_8$ Cirrostratus.	$^2/_8$ Cirrostratus.	4400
	26	$^5/_8$ Cirrostratus.	$^8/_8$ Cirrostratus.	$^4/_8$ Cirrostratus.	$^5/_8$ Cirrostratus.	4300
	27	$^6/_8$ Cumulostratus.	$^7/_8$ Cumulostratus.	$^7/_8$ Stratus.	$^6/_8$ Stratus.	5000
	28	$^5/_8$ Stratus.	$^3/_8$ Cirrostratus.	$^3/_8$ Cirrus.	$^3/_8$ Cirrus.	4500
	29	$^2/_8$ Cirrus.	Hr. Stratus; Z. Cumulus	Hr Stratus; Z. Cumulus.	Hr. Stratus; Z. Cumulus	4600
	30	$^6/_8$ Cumulostratus.	$^6/_8$ Cirrostratus.	$^7/_8$ Cirrostratus.	$^7/_8$ Cirrostratus.	5000
	31	Clear.	$^6/_8$ Cumulostratus.	$^5/_8$ Cumulostratus.	$^7/_8$ Stratus.	4700

Date.		*Prevailing Clouds during the three turning points of the Barometer.*				
		3^{h} 00^{m}	3^{h} 30^{m}	4^{h} 00^{m}	9^{h} 30^{m}	10^{h} 00^{m}
AUGUST, 1846.	1	Clear.	Clear.	3/8 Cirrocumulus.	7/8 Cirrostratus.	6/8 Cirrostratus.
	2	Clear.	Clear.	Clear.	4/8 Cumulostratus.	4/8 Cumulostratus.
	3	5/8 Cirrostratus.	2/8 Cirrostratus.	Clear.	7/8 Cumulostratus.	7/8 Cumulostratus.
	4	Clear.	Clear.	Clear.	7/8 Cumulostratus.	7/8 Cumulostratus.
	5	3/8 Cirrostratus.	4/8 Cirrostratus.	5/8 Cirrsotratus.	6/8 Cumulostratus.	6/8 Cumulostratus.
	6	3/8 Cirrostratus.	3/8 Cirrostratus.	4/8 Cirrostratus.	6/8 Cumulostratus.	8/8 Cumulostratus.
	7	Clear.	Clear	Clear.	7/8 Cumulostratus.	7/8 Cumulostratus.
	8	3/8 Cirrus.	2/8 Cirrus.	3/8 Cirrus.	7/8 Cumulus.	5/8 Cumulus.
	9	Clear.	Clear.	Clear.	3/8 Cumulus.	4/8 Cumulus.
	10	1/8 Cirrus.	1/8 Cirrus.	Clear.	2/8 Cirrus.	1/8 Cirrus.
	11	1/8 Cirrus.	1/8 Cirrus.	Clear.	Cirrus in the NE.	Cirrus in the NE.
	12	Clear.	Clear.	Clear.	Clear.	Clear.
	13	4/8 Cumulostratus.	4/8 Cumulostratus.	3/8 Cumulostratus.	3/8 Cirrostratus.	3/8 Cirrostratus.
	14	8/8 Cumulostratus.	4/8 Cumulostratus.	3/8 Cumulostratus.	1/8 Cirrus.	2/8 Cirrus.
	15	1/8 Cirrus.	2/8 Cirrus.	3/8 Cirrus.	Clear.	Clear.
	16	1/8 Cirrus.	2/8 Cirrus.	2/8 Cirrus.	Clear.	Clear.
	17	Clear.	Clear.	Clear.	6/8 Stratus.	7/8 Stratus.
	18	Cirrus in the E.	Cirrus in the E.	Cirrus in E.	6/8 Stratus.	Stratus in N.
	19	5/8 Stratus.	3/8 Stratus.	3/8 Stratus.	Clear.	Clear.
	20	2/8 Cirrus.	1/8 Cirrus.	1/8 Cirrus.	Clear.	Clear.
	21	Clear.	Clear.	Clear.	Clear.	Clear.
	22*	2/8 Cirrostratus.	3/8 Cirrostratus.	6/8 Cirrostratus.	Stratus in the N.	Stratus in the N.
	23	2/8 Cirrus.	3/8 Cirrus. [Cirrus.	2/8 Cirrus. [rus.	4/8 Cirrostratus.	3/8 Cirrostratus.
	24	4/8 Cirrus. [Hr.	Hr. Stratus ; Z.	Hr. Stratus; Z. Cir-	Clear.	Clear.
	25	Stratus in W. & N.	Stratus in W. & N.	Stratus in W. & N.	Clear.	Clear.
	26	Hr. Stratus.	Hr. Stratus. [Hr.	Hr. Stratus. [Hr.	Clear.	Clear.
	27	Hr. Stratus. [rus.	Hr. Stratus. [rus.	Hr. Stratus.	Clear.	1/8 Stratus.
	28	Hr. Stratus, 2/8 Cir-	Hr. Stratus, 2/8 Cir-	Hr. Stratus, 2/8 Cir-	7/8 Cirrus.	5/8 Cirrus.
	29	Hr. Cirrus.	Hr. Cirrus.	Hr. Cirrus. [rus.	Clear.	Clear.
	30	Clear.	Clear.	Clear.	Clear.	Clear.
	31	3/8 Cirrus.	Hr. Cirrus.	Hr. Cirrus.	4/8 Cirrostratus.	2/8 Cumulostratus.

Date.		*Prevailing Clouds during the three turning points of the Barometer.*				
		3^{h} 00^{m}	3^{h} 30^{m}	4^{b} 00^{m}	9^{h} 30	10^{h} 00
SEPTEMBER, 1846.	1	4/8 Stratus.	4/8 Cirrostratus.	5/8 Cirrostratus.	8/8 Cumulostratus.	8/8 Cumulostratus.
	2	2/8 Cirrostratus.	2/8 Cirrostratus.	3/8 Cirrostratus.	6/8 Cumulostratus.	5/8 Cumulostratus.
	3	Hr. Cirrostratus.	Hr. Cirrostratus.	Hr. Cirrostratus.	1/8 Cirrus.	1/8 Cirrus.
	4	Hr. Cirrostratus.	Hr. Cirrostratus.	3/8 Cirrostratus.	Clear.	Clear.
	5	Hr. Cirrus.	Hr. Cirrus.	Hr. Cirrus.	N. East Hr. Cumulus	2/8 Cumulus.
	6	1/8 Cirrus.	1/8 Cirrus.	1/8 Cirrus.	Clear.	Clear.
	7	7/8 Stratus.	7/8 Stratus.	8/8 Stratus.	8/8 Stratus.	8/8 Stratus.
	8	2/8 Cirrus.	2/8 Cirrus.	2/8 Cirrus.	Clear.	Clear.
	9	2/8 Cirrus.	2/8 Cirrus.	2/8 Cirrus.	Clear.	3/8 Cirrocumulus.
	10	8/8 Cirrostratus.	5/8 Cirrostratus	4/8 Cirrostratus.	3/8 Cirrus.	3/8 Cirrus.
	11	3/8 Stratus.	3/8 Stratus.	3/8 Stratus.	3/8 Cirrostratus.	5/8 Cumulostratus.
	12	2/8 Cirrus.	3/8 Cirrus.	4/8 Cirrus.	Hr. Stratus.	Hr. Stratus.
	13	3/8 Cumulus.	3/8 Cumulus.	3/8 Cumulus.	Clear.	Clear.
	14	Hr. Stratus.	Hr. Stratus.	Hr. Stratus.	Clear.	Clear.
	15	Hr. Stratus, 2/8 Crs.	3/8 Cirrostratus.	3/8 Cumulus.	2/8 Cirrostratus.	7/8 Cirrostratus.
	16	2/8 Cirrus.	2/8 Cirrus.	1/8 Cirrus.	Hr. Cirrus.	Clear.
	17	1/8 Cirrus.	1/8 Cirrus.	1/8 Cirrus.	Clear.	Clear.
	18	7/8 Cumulus.	7/8 Cumulus.	7/8 Cumulus.	1/8 Cirrus.	1/8 Cirrus.
	19	Hr. Cumulus.	N. Hr. Cumulus.	3/8 Cirrus.	Stratus in N.	Stratus in N.
	20	Clear.	Clear.	2/8 Cirrus.	3/8 Cirrus.	3/8 Cirrostratus.
	21	2/8 Cirrostratus.	2/8 Cirrostratus.	3/8 Cirrostratus.	Clear.	Clear.
	22	2/8 Cirrus.	2/8 Cirrus.	4/8 Cirrus.	4/8 Cumulus	3/8 Cumulus.
	23	2/8 Cirrus.	3/8 Cumulus.	Clear.	3/8 Cirrus.	3/8 Cirrus.
	24	4/8 Stratus.	5/8 Stratus.	6/8 Stratus.	Clear.	Clear.
	25	3/8 Cirrostratus.	Hr. Cirrostratus.	Hr. Cirrostratus.	Clear.	Clear.
	26	3/8 Cirrocumulus	3/8 Cirrocumulus.	4/8 Cirrocumulus.	3/8 Cirrocumulus	2/8 Cirrocumulus.
	27	1/8 Cirrus.	1/8 Cirrus.	1/8 Cirrus.	Clear.	Clear.
	28	1/8 Cirrus.	1/8 Cirrus.	1/8 Cirrus.	Clear.	Clear.
	29	Clear.	Clear.	Clear.	Clear.	Clear.
	30	4/8 Stratus.	4/8 Stratus.	3/8 Stratus	Clear	Clear.
	31					

* Heavy rain from 17h. until 17h 30m. in which time there fell 0.12 inches.

	Date.	*Prevailing Clouds during the three turning Points of the Barometer.*				The number of Grains Evaporated off of an area of 78 inches in 24h.
		10^h 30^m	21^h 30^m	22^h 00^m	22^h 30^m	
AUGUST, 1846.	1	6/8 Cirrostratus.	3/8 Cirrus.	Hr. Cirrus.	1/8 Cirrus.	4700
	2	4/8 Cumulostratus.	7/8 Cumulostratus.	7/8 Cumulostratus.	6/8 Cumulostratus.	5300
	3	7/8 Cumulostratus.	6/8 Stratus.	7/8 Stratus.	7/8 Stratus.	4540
	4	7/8 Cumulostratus.	Clear.	Clear.	Clear.	4500
	5	7/8 Cumulostratus.	5/8 Cumulostratus.	6/8 Cumulostratus.	6/8 Cumulostratus.	3000
	6	6/8 Cumulostratus.	4/8 Stratus.	6/8 Stratus.	6/8 Stratus.	4350
	7	7/8 Cumulostratus.	Hr. Cirrus ; Z. Clear.	2/8 Cirrus.	3/8 Cirrus.	3600
	8	6/8 Cumulus.	3/8 Cirrocumulus.	2/8 Cirrocumulus.	3/8 Cirrocumulus.	3480
	9	3/8 Cumulus.	3/8 Cirrostratus.	4/8 Cirrostratus.	5/8 Cumulostratus.	4220
	10	2/8 Cirrus.	6/8 Stratus.	6/8 Stratus.	4/8 Cirrostratus.	4310
	11	Hr. Cirrus.	Cirrus in W.	Cirrus in W.	Clear.	5320
	12	1/8 Cirrus.	2/8 Cirrocumulus.	2/8 Cirrocumulus.	2/8 Cirrocumulus.	5430
	13	3/8 Cirrostratus.	6/8 Cumulostratus.	7/8 Cumulostratus.	7/8 Cumulostratus.	4650
	14	3/8 Cirrus.	Hr. Stratus; Z. Cumulus	2/8 Cirrus.	1/8 Cirrus.	4700
	15	Clear.	3/8 Cumulus.	3/8 Cumulus.	5/8 Cumulus.	4600
	16	Clear.	2/8 Cirrostratus.	2/8 Cirrostratus.	1/8 Cumulostratus.	4500
	17	6/8 Stratus.	5/8 Cumulostratus.	3/8 Cumulostratus.	S. & E. Hr. Cirrostratus	4100
	18	Stratus in N.	3/8 Cirrocumulus.	3/8 Cirrostratus.	1/8 Cirrostratus.	4550
	19	Clear.	Hr. Cirrus.	Hr. Cirrus.	Hr. Cirrus.	4500
	20	Clear.	5/8 Stratus.	5/8 Stratus.	4/8 Stratus.	4050
	21	Clear.	Clear.	Clear.	Clear.	2555
	22*	Stratus the in N.	4/8 Cumulus.	7/8 Cumulus.	4/8 Cumulus.	4475
	23	3/8 Cirrostratus.	Hr. Stratus; Z. Clear.	Hr. Stratus; Z. Clear.	Hr. Stratus; Z. Clear.	4250
	24	Clear.	1/8 Cirrus.	1/8 Cirrus.	Clear.	4350
	25	Clear.	3/8 Cirrostratus.	3/8 Cumulus.	1/8 Cirrus.	3760
	26	Clear.	3/8 Cumulus.	4/8 Cumulostratus.	3/8 Cumulostratus.	4150
	27	1/8 Stratus.	3/8 Cirrostratus.	Hr. Cirrostratus.	Hr. Cirrostratus.	4100
	28	5/8 Cirrus.	3/8 Cumulus.	Hr. Stratus.	Hr. Stratus.	3900
	29	Clear.	3/8 Cumulus, 3/8 Stratus.	3/8 Cumulus, 3/8 Stratus.	3/8 Cumulus, 3/8 Stratus.	3650
	30	Clear.	Hr. Cirrus.	Hr. Cirrus.	Hr. Cirrus.	2870
	31	2/8 Cumulostratus.	6/8 Stratus.	6/8 Stratus.	6/8 Stratus.	3370

	Date.	*Prevailing Clouds during the three turning Points of the Barometer.*				The number of Grains Evaporated off of an area of 78 inches.
		10^h 30^m	21^h 30^m	22^h 00^m	22^h 30^m	
SEPTEMBER, 1846.	1	8/8 Cumulostratus.	Hr. Strs.; Z. Cirrus.	Hr. Stratus ; Z. Cirrus.	Hr. Stratus; Z. Cirrus.	3780
	2	5/8 Cumulostratus.	6/8 Cirrostratus.	5/8 Cirrostratus.	4/8 Cirrostratus.	3800
	3	1/8 Cirrus.	1/8 Cirrus.	1/8 Cirrus.	1/8 Cirrus.	4000
	4	Clear.	7/8 Cumulostratus.	7/8 Cumulostratus.	7/8 Cumulostratus.	3880
	5	2/8 Cumulus.	1/8 Cirrus.	1/8 Cirrus.	1/8 Cirrus.	3700
	6	Clear.	7/8 Stratus.	7/8 Stratus.	6/8 Stratus.	3700
	7	7/8 Stratus.	7/8 Cumulostratus.	6/8 Cumulostratus.	5/8 Cumulostratus.	4800
	8	Clear.	3/3 Cirrus.	3/8 Cirrus.	3/8 Cirrus.	4450
	9	3/8 Cirrocumulus.	3/8 Cirrus.	3/8 Cirrus.	3/8 Cirrus.	4300
	10	3/8 Cirrus.	7/8 Cumulus.	6/8 Cumulus.	6/8 Cumulus.	3450
	11	3/8 Cumulostratus.	5/8 Cirrocumulus.	4/8 Cirrocumulus.	4/8 Cirrocumulus.	3700
	12	Hr. Stratus.	8/8 Cirrus.	3/8 Cirrus.	2/8 Cirrus.	3750
	13	3/8 Stratus.	3/8 Cumulus.	3/8 Cumulus.	4/8 Cumulus.	3560
	14	Clear.	Cirrus in W.	Hr. Cirrus.	3/8 Cirrus.	4220
	15	6/8 Cirrostratus.	4/8 Cumulostratus.	4/8 Cumulostratus.	4/8 Cumulostratus.	3640
	16	Clear.	Hr. Cirrus.	1/8 Cirrus.	1/8 Cirrus.	3740
	17	Clear.	Cumulus.	Cumulus.	7/8 Cumulus.	3840
	18	Clear.	1/8 Cirrus.	2/8 Cirrus.	3/8 Cirrus.	3950
	19	Stratus in N.	4/8 Cumulus.	4/8 Cumulus.	2/8 Cirrostratus.	3950
	20	4/8 Cirrostratus.	3/8 Cirrus.	1/8 Cirrus.	1/8 Cirrus.	4100
	21	1/8 Cirrus.	Hr. Stratus ; Z. Cum ls.	Hr. Stratus, 2/8 Cirrus.	Hr. Stratus, 2/8 Crs.	4200
	22	2/8 Cumulus.	Clear.	Clear.	Clear.	3480
	23	7/8 Cumulus.	7/8 Cumulus.	4/8 Cumulostratus.	2/8 Cumulostratus.	3900
	24	Clear.	3/3 Cirrostratus.	3/8 Cirrostratus.	6/8 Cumulostratus.	3200
	25	Clear.	Hr. Strs.; Z. Clear.	1/8 Cirrus.	1/8 Cirrus.	3250
	26	8/8 Cirrocumulus.	3/8 Cumulus.	1/8 Cumulus.	2/8 Cumulus.	3300
	27	Clear.	4/8 Cumulus.	3/8 Stratus.	2/8 Stratus.	3500
	28	Clear.	5/8 Cumulus.	6/8 Cumulus.	3/8 Cumulus.	3500
	29	Clear.	5/8 Cumulus.	6/8 Cumulus.	6/8 Cumulus.	3450
	30	Clear.	6/8 Cumulostratus.	5/8 Cumulostratus.	5/8 Cumulostratus.	3640
	31					

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* Heavy rain from 17h. until 17h. 35m. in which time there fell 0.42 inches.

Date.		*Prevailing Clouds during the three turning Points of the Barometer.*				
		3^h 00^m	3^h 30^m	4^h 00^m	9^h 30^m	10^h 00^m
OCTOBER, 1846.	1	4/8 Cumulus.	5/8 Cumulus.	4/8 Cumulus.	3/8 Cumulus.	3/8 Cumulus.
	2	3/8 Cirrostratus.	3/8 Cumulostratus.	4/8 Cirrostratus.	5/8 Cumulostratus.	6/8 Cumulostratus.
	3	3/8 Cumulostratus.	5/8 Cumulostratus.	1/8 Cirrostratus.	2/8 Cumulus.	3/8 Cumulus.
	4	1/8 Cumulus.	3/8 Cumulus.	Hr. Cumulus.	Clear.	2/8 Stratus.
	5	6/8 Cumulostratus.	5/8 Cumulostratus.	5/8 Cumulostratus.	3/8 Cirrostratus.	3/8 Cirrostratus
	6	Clear.	Clear.	Clear.	Clear.	Clear.
	7	Clear.	Clear.	Clear.	Clear.	Clear.
	8	7/8 Cumulus.	2/8 Cumulus.	3/8 Cumulus.	Clear.	Clear.
	9	1/8 Cirrocumulus.	Clear.	Clear.	Clear.	Clear.
	10	E. Hr. Cumulus.	Hr. Cumulus.	Hr. Cumulus.	Clear.	Clear.
	11	1/8 Cumulus.	2/8 Cumulus.	3/8 Cumulus.	Clear.	Clear.
	12	1/8 Cumulus.	1/8 Cumulus.	1/8 Cumulus.	Clear.	Clear.
	13	1/8 Cirrus.	1/8 Cirrus.	1/8 Cirrus.	Clear.	Clear.
	14	Clear.	Clear.	Clear.	Clear.	Clear.
	15	1/8 Cirrus.	1/8 Cirrus.	1/8 Cirrus.	Clear.	Clear.
	16	1/8 Cirrus.	2/8 Cirrus.	3/8 Cirrus.	Clear.	Clear.
	17	Hr. Cumulus.	2/8 Cumulostratus.	3/8 Cumulostratus.	Clear.	Clear.
	18	Clear.	Clear.	Clear.	6/8 Cumulostratus.	5/8 Cumulostratus.
	19	1/8 Cirrus.	1/8 Cirrus.	1/8 Cirrus.	3/8 Cirrostratus.	1/8 Cirrostratus.
	20	Hr. Cumulus.	Hr. Cumulus.	Hr. Cumulus.	3/8 Cirrus.	3/8 Cirrostratus.
	21	Cumulus in the W.	Cumulus in the W.	Cumulus in the W.	Clear.	Clear.
	22	4/8 Cirrus.	4/8 Cirrus.	5/8 Cirrus.	Clear.	Clear.
	23	Clear.	Clear.	Clear.	Clear.	Clear.
	24	Clear.	Clear.	Clear.	Clear.	Clear.
	25	2/8 Cumulus.	2/8 Cumulus.	3/8 Cumulus.	3/8 Stratus.	3/8 Stratus.
	26	Clear.	Clear.	Clear.	Clear.	Clear.
	27	Clear.	Hr. Cumulus.	Hr. Cumulus.	Clear.	Clear.
	28	4/8 Cirrostratus.	4/8 Cirrostratus.	3/8 Cirrostratus.	Clear.	Clear.
	29	3/8 Cumulus.	3/8 Cumulus.	2/8 Cumulus.	Clear.	Clear.
	30	3/8 Cirrocumulus.	3/8 Cirrus.	3/8 Cirrocumulus.	4/8 Cirrostratus.	3/8 Cumulus.
	31	3/8 Cirrocumulus.	3/8 Cirrocumulus.	2/8 Cirrocumulus.	4/8 Cirrostratus.	3/8 Cirrostratus.

Date.		*Prevailing Clouds during the three turning points of the Barometer.*				
		3^h 00^m	3^h 30^m	4^h 00^m	9^h 30^m	10^h 00^m
NOVEMBER, 1846.	1	3/8 Cirrostratus.	3/8 Cirrostratus.	2/8 Cirrostratus.	4/8 Cumulostratus.	4/8 Cumulostratus.
	2	3/8 Cirrostratus.	3/8 Cumulostratus.	7/8 Cumulostratus.	6/8 Cumulostratus.	4/8 Cumulostratus.
	3	3/8 Cirrostratus.	3/8 Cirrostratus.	2/8 Cirrostratus.	3/8 Cumulostratus.	3/8 Cumulostratus.
	4	Clear.	Clear.	Clear.	Clear.	Clear.
	5	Clear.	Clear.	Clear.	Clear.	Clear.
	6	Clear.	Clear.	Clear.	Clear.	Clear.
	7	Clear.	Clear.	Clear.	Clear.	Clear.
	8	Clear.	Clear.	Clear.	Clear.	Clear.
	9	Clear.	Clear.	Clear.	Clear.	Clear.
	10	3/8 Cumulostratus.	1/8 Cumulostratus.	1/8 Cumulostratus.	Clear.	N. Hr. Stratus.
	11	1/8 Cirrostratus.	1/8 Cirrostratus.	1/8 Cumulus.	2/8 Cirrostratus.	2/8 Cirrostratus.
	12	2/8 Cirrostratus.	1/8 Cirrostratus.	1/8 Cirrus.	Clear.	Clear.
	13	Hr. Cumulus.	Hr. Cumulus.	2/8 Cirrostratus.	Clear.	Clear.
	14	Clear.	3/8 Cirrocumulus.	3/8 Cirrostratus.	Clear.	Clear.
	15	Clear.	Clear.	Clear.	4/8 Stratus.	2/8 Stratus.
	16	Hr. Cumulus.	Hr. Cumulus.	3/8 Cumulostratus.	3/8 Stratus.	3/8 Stratus.
	17	Clear.	Clear.	Clear.	3/8 Cirrostratus.	4/8 Cirrostratus.
	18	2/8 Cirrostratus.	2/8 Cirrostratus.	3/8 Cirrostratus.	3/8 Cirrostratus.	2/8 Cirrostratus.
	19	2/8 Cirrostratus.	2/8 Cirrostratus.	1/8 Cirrostratus.	8/8 Stratus.	7/8 Stratus.
	20	1/8 Cirrostratus.	1/8 Cirrostratus.	1/8 Cirrostratus.	4/8 Cirrostratus.	3/8 Cirrostratus.
	21	Clear.	Clear.	Clear.	Clear.	2/8 Cirrostratus.
	22	2/8 Cirrostratus.	2/8 Cirrostratus.	2/8 Cirrostratus.	Clear.	Clear.
	23	Clear.	Clear.	Clear.	Clear.	Clear.
	24					
	25	Clear. [Cirrus in S.	Clear. [Cirrus in S.	Clear. [Cirrus in S.	Clear.	Clear.
	26	N. Hr. Cumulus,	N. Hr. Cumulus,	N. Hr. Cumulus.	6/8 Cumulus.	7/8 Cumulus.
	27	1/8 Cumulus.	1/8 Cumulus.	4/8 Cumulus	4/8 Cirrocumulus.	4/8 Cirrocumulus.
	28	6/8 Stratus.	4/8 Stratus.	5/8 Stratus.	Hr. Cumulostratus.	Hr. Cumulus.
	29	3/8 Cumulus.	2/8 Cumulus.	5/8 Cumulus.	4/8 Cumulus.	5/8 Cumulus.
	30	Clear.	Clear.	Clear.	Clear.	Clear.
	31					

Date.		*Prevailing Clouds during the three turning points of the Barometer.*				
		10^h 30^m	21^h 30^m	22^h 30^m	22^h 00^m	The number of Grains Evaporated off of an area, of 78 inches
OCTOBER, 1846.	1	3/8 Cumulus.	3/8 Cumulostratus.	3/8 Cumulostratus.	4/8 Cumulostratus.	....
	2	5/8 Cumulostratus.	5/8 Cumulus.	6/8 Cumulus.	2/8 Cumulus.	....
	3	4/8 Cumulus.	Clear.	Clear.	Clear.	....
	4	2/8 Stratus.	4/8 Cirrus.	3/8 Cirrostratus.	5/8 Cumulostratus.	....
	5	3/8 Cirrostratus.	Clear.	Clear.	Clear.	....
	6	Clear.	Clear.	Clear.	Clear.	....
	7	Clear.	3/8 Cirrostratus.	2/8 Cirrostratus.	2/8 Cirrostratus.	....
	8	Clear.	Clear.	Clear.	Clear.	....
	9	Clear.	Cirrus in the E.	1/8 Cirrus.	Clear.	....
	10	Clear.	6/8 Cumulus.	6/8 Cumulus.	2/8 Cumulus.	....
	11	Clear.	1/8 Cumulus.	1/8 Cumulus.	2/8 Cumulus.	....
	12	Clear.	Clear.	Clear.	Clear.	....
	13	Clear.	Clear.	Hr. Cumulus.	Hr. Cumulus.	....
	14	Clear.	Clear.	Clear.	Clear.	....
	15	Clear.	Clear.	Clear.	Clear.	....
	16	Clear.	6/8 Cumulostratus.	4/8 Cumulostratus.	5/8 Cumulostratus.	....
	17	Clear.	5/8 Cumulostratus.	6/8 Cumulostratus.	6/8 Cumulostratus.	....
	18	5/8 Cumulostratus.	5/8 Cirrostratus.	Hr.Cumls, 2/8 Cirrus.	Hr. Cumulus.	....
	19	1/8 Cirrostratus.	2/8 Cirrus.	2/8 Cirrus.	1/8 Cirrus.	....
	20	2/8 Cirrostratus.	3/8 Cumulus.	3/8 Cumulus.	Hr. Cumulus.	....
	21	Clear.	3/8 Cirrus.	3/8 Cirrus.	2/8 Cirrus, 1/8 Stratus.	....
	22	Clear.	Clear.	Clear.	Clear.	....
	23	Clear.	Clear.	Clear.	Clear.	....
	24	Clear.	3/8 Stratus.	3/8 Stratus.	2/8 Stratus.	....
	25	2/8 Stratus.	1/8 Cirrus.	1/8 Cirrus.	1/8 Cirrus.	....
	26	Clear.	3/8 Stratus.	3/8 Stratus.	3/8 Stratus.	....
	27	Clear.	4/8 Cirrocumulus.	4/8 Cirrocumulus.	4/8 Cirrocumulus.	....
	28	Clear.	3/8 Cumulus.	3/8 Cumulus.	3/8 Cumulus.	....
	29	Clear.	4/8 Cumulus.	5/8 Cumulus.	4/8 Cumulus.	....
	30	3/8 Cumulus.	1/8 Cirrostratus.	1/8 Cirrostratus.	1/8 Cirrostratus.	....
	31	3/8 Cirrostratus.	7/8 Cumulostratus.	7/8 Cumulostratus.	5/8 Nimbus with Rain.	....

Date.		*Prevailing Clouds during the three turning points of the Barometer.*				
		10^h 30^m	21^h 30^m	22^h 00^m	22^h 30^m	The number of Grains Evaporated off of an area, of 78 inches
NOVEMBER, 1846.	1	6/8 Cumulostratus.	4/8 Cumulostratus.	5/8 Cumulostratus.	4/8 Cumulostratus.	....
	2	3/8 Cumulostratus.	3/8 Cirrostratus.	2/8 Cirrostratus.	1/8 Cirrostratus.	....
	3	3/8 Cumulostratus.	1/8 Cirrus.	1/8 Cirrus.	Clear.	....
	4	Clear.	Clear.	Clear.	Clear.	....
	5	Clear.	Clear.	Clear.	Clear.	....
	6	Clear.	Clear.	Clear.	Clear.	....
	7	Clear.	Clear.	Clear.	Clear.	....
	8	Clear.	Clear.	Clear.	Clear.	....
	9	Clear.	5/8 Cumulus.	4/8 Cumulus.	3/8 Cumulus.	....
	10	N. Hr. Stratus.	1/8 Cirrostratus.	1/8 Cirrostratus.	1/8 Cirrostratus.	....
	11	2/8 Cirrostratus.	3/8 Cirrocumulus.	2/8 Cirrocumulus.	2/8 Cirrocumulus.	....
	12	Clear.	Cirrus in S.	2/8 Cirrus.	2/8 Cirrus.	....
	13	Clear.	3/8 Cirrostratus.	3/8 Cirrostratus.	3/8 Cirrostratus.	....
	14	3/8 Stratus.	Clear.	Clear.	Clear.	....
	15	3/8 Stratus.	4/8 Cumulus.	3/8 Cumulus.	4/8 Cumulus.	....
	16	2/8 Stratus.	2/8 Stratus.	2/8 Stratus.	3/8 Cirrostratus.	....
	17	5/8 Cirrostratus.	3/8 Cirrostratus.	3/8 Cirrostratus.	5/8 Cirrostratus.	....
	18	2/8 Cirrostratus.	3/8 Stratus.	6/8 Stratus.	5/8 Stratus.	....
	19	7/8 Stratus.	3/8 Cirrostratus.	3/8 Cirrostratus.	2/8 Cirrostratus.	....
	20	3/8 Cirrostratus.	3/8 Cirrostratus.	3/8 Cirrostratus.	3/8 Cirrostratus.	....
	21	2/8 Cirrostratus.	3/8 Cirrostratus.	1/8 Cirrus.	1/8 Cirrus.	....
	22	Clear.	Clear.	Clear.	Clear.	....
	23	Clear.	2/8 Cirrus.	2/8 Cirrus.	2/8 Cirrus.	....
	24					
	25	Clear.	1/8 Cirrus.	1/8 Cirrus.	2/8 Cirrus.	....
	26	6/8 Cumulus.	Hr. Cumls.; Z. Clear.	Hr. Cumls.; Z. Clear.	Hr. Cumls.; Z. Clear.	....
	27	4/8 Cirrocumulus.	3/8 Cirrus.	3/8 Cirrus.	2/8 Cirrus.	....
	28	3/8 Cumulus.	3/8 Cirrostratus.	3/8 Cirrostratus.	2/8 Cirrostratus.	....
	29	5/8 Cumulus.	Clear.	Clear.	Clear.	....
	30	Clear.	Clear.	Clear.	Clear.	....
	31					....

Date.		*Prevailing Clouds during the three turning points of the Barometer.*				
		3^h 00^m	3^h 30^m	4^h 00^m	9^h 30^m	10^h 00^m
DECEMBER, 1846.	1	Clear.	Clear.	Clear.	2/8 Cirrus.	2/8 Cirrus.
	2	Clear.	Clear.	Clear.	Clear.	Clear.
	3	4/8 Cirrostratus.	3/8 Cirrostratus.	3/8 Cirrostratus.	4/8 Cumulus.	5/8 Cumulus.
	4	3/8 Cirrostratus.	2/8 Cirrostratus.	3/8 Cirrostratus.	5/8 Cumulus.	5/8 Cumulus.
	5	7/8 Cumulostratus.	7/8 Cumulostratus.	6/8 Cumulus.	3/8 Cumulus.	4/8 Cumulus.
	6	6/8 Stratus.	3/8 Stratus.	4/8 Stratus.	7/8 Cumulostratus.	7/8 Cumulostratus.
	7	7/8 Stratus.	7/8 Stratus.	8/8 Stratus.	Hr. Stratus; Z. Clear.	4/8 Stratus.
	8	3/8 Cirrostratus.	3/8 Cirrostratus.	3/8 Cirrostratus.	Hr. Stratus; Z. Clear.	4/8 Stratus.
	9	4/8 Cirrostratus.	5/8 Cirrus, 1/8 Cumulus.	5/8 Cirrus, 1/8 Cumulus.	8/8 Cirrostratus.	Hr. Cirrus.
	10	Hr. Cumulus	Hr. Cumulus.	Hr. Cumulus.	2/8 Cirrostratus.	3/8 Stratus.
	11	Hr. Cumulus.	Hr. Cumulus.	Hr. Ciumulus.	2/8 Cirrostratus.	3/8 Cirrostratus.
	12	Clear.	1/8 Cumulus.	1/8 Cmulus.	Clear.	Clear.
	13	Hr. Cumulus, 1/8 Cirrus.	Hr. Cumulus, 1/8 Cirrus.	Hr. Cumulus, 1/8 Cirrus.	1/8 Cirrostratus.	1/8 Cirrostratus.
	14	5/8 Cirrostratus.	5/8 Cirrostratus.	3/8 Cirrostratus.	3/8 Cirrostratus.	2/8 Cirrostratus.
	15	Clear.	Clear.	Clear.	Clear.	Clear.
	16	Clear.	Clear.	Clear.	6/8 Stratus.	5/8 Stratus.
	17	3/8 Stratus.	3/8 Stratus.	3/8 Stratus.	5/8 Stratus.	5/8 Stratus.
	18	N. Hr. Culs., 6/8 Clear.	N. Hr. Culs., 6/8 Clear.	N. Hr. Culs., 6/8 Clear.	Clear.	Clear.
	19	3/8 Cumulus.	3/8 Cumulus.	4/8 Cumulus.	3/8 Stratus.	3/8 Stratus.
	20	8/8 Cumulus.	8/8 Cumulus.	2/8 Cumulus.	7/8 Cirrus.	6/8 Cirrus.
	21	Clear.	Clear.	Clear.	Clear.	Clear.
	22	Clear.	Clear.	Clear.	Clear.	Clear.
	23	Hr. Cirrus ; Z. Clear.	Hr. Cirrus ; Z. Clear.	Hr. Cirrus; Z. Clear.	Clear.	Clear.
	24	3/8 Cirrus.	3/8 Cirrus.	2/8 Cirrus.	8/8 Cumulus.	6/8 Cumulus.
	25					
	26	2/8 Cirrus.	3/8 Cirrus.	3/8 Cirrus.	2/8 Cirrus.	3/8 Cirrus.
	27	2/8 Cirrostratus.	2/8 Cirrostratus.	2/8 Cirrostratus.	Clear.	Clear.
	28	4/8 Cirrus.	4/8 Cirrus.	4/8 Cirrus.	Clear.	Clear.
	29	Clear.	Clear.	Clear.	Clear.	Clear.
	30	1/8 Cirrostratus.	2/8 Cirrostratus.	1/8 Cirrostratus.	Clear.	Clear.
	31	Clear.	Clear.	Clear.	Clear.	Clear.

Date.		*Prevailing Clouds during the three turning points of the Barometer.*				
		10^h 30^m	21^h 80^m	21^h 00^m	22^h 30^m	The number of Grains Evaporated off of an area of 78 inches in 24h.
DECEMBER, 1846.	1	1/8 Cirrus.	3/8 Cirrostratus.	3/8 Cirrostratus.	4/8 Cirrostratus.	....
	2	Clear.	Hr. Cumulus; Z. Clear.	Hr. Cumulus Z. Clear.	Hr. Cumulus; Z. Clear.	....
	3	6/8 Cumulus.	6/8 Stratus.	6/8 Stratus.	5/8 Stratus.	....
	4	5/8 Cumulus.	5/8 Stratus.	4/8 Stratus.	4/8 Stratus.	....
	5	5/8 Cumulus.	7/8 Nimbus. [strs.	7/8 Nimbus. [strs.	6/8 Nimbus. [strs	....
	6	7/8 Cumulostratus.	Hr. Cumlsstrs.; Z.Cirro-	Hr. Cumlsstrs.; Z.Cirro-	Hr. Cumlsstrs.; Z.Cirro-	....
	7	5/8 Stratus.	4/8 Cirrus.	2/8 Cirrus 2/8 Cirroculs.	3/8 Cirrostratus.	....
	8	5/8 Stratus.	7/8 Cirrostratus.	6/8 Cirrostratus.	Hr. Cirrostratus.	....
	9	N. Hr. Cirrus.	Hr. Cumulus; Z. Clear.	Hr. Culs.; Z. Clear.	Hr. Cumulus; Z. Clear	....
	10	3/8 Cirrostratus.	Hr. Cumulus.	3/8 Cumulus; Z. Clear.	2/8 Cumulus; Z. Clear.	....
	11	3/8 Cirrostratus.	Hr. Cumulus.	3/8 Cumulus.	2/8 Cumulus.	....
	12	Clear.	Clear.	Hr. Cumulus.	Hr. Cumulus.	....
	13	2/8 Cirrostratus.	4/8 Cirrostratus.	4/8 Cirrostratus.	3/8 Cirrostratus.	....
	14	2/8 Cirrostratus.	1/8 Cumulus.	1/8 Cumulus.	Hr. Cumulus ; Z. Clear.	....
	15	Clear.	7/8 Cumulus.	7/8 Cumulus.	3/8 Cumulus.	....
	16	4/8 Stratus.	Hr. Cumulus.	Hr. Cumulus.	Hr. Cumulus.	....
	17	6/8 Stratus.	6/8 Cumulus.	6/8 Cumulus.	3/8 Cumulus.	....
	18	Clear.	5/8 Cumulus.	5/8 Cumulus.	4/8 Cumulus.	....
	19	2/8 Stratus.	6/8 Cumulus.	5/8 Cumulus.	5/8 Cumulus.	....
	20	6/8 Cirrus.	4/8 Cumulus.	4/8 Cumulus.	5/8 Cumulus.	....
	21	Hr. Cirrus.	Hr. Cirrostratus.	H. Cirrostratus.	Hr. Cirrostratus.	....
	22	Clear.	Hr. Cumulus; Z. Clear.	Hr. Culs.; Z. Clear.	Hr. Cumulus ; Z. Clear.	....
	23	Clear.	2/8 Cumulus, 2/8 Cirrus.	2/8 Cumulus, 1/8 Cirrus	2/8 Cumulus, 2/8 Cirrus.	....
	24	5/8 Cumulus.	4/8 Cumulus.	3/8 Cumulus.	3/8 Cumulus.	....
	25					
	26	3/8 Cumulus.	2/8 Cumulus.	2/8 Cumulus.	3/8 Cumulus.	....
	27	Clear.	3/8 Cumulus.	3/8 Cumulus.	3/8 Cumulus.	....
	28	Clear.	3/8 Cumulostratus.	3/8 Cumulostratus.	3/8 Cumulostrats.	....
	29	Clear.	1/8 Cirrus.	1/8 Cirrus.	1/8 Cirrus.	....
	30	Clear.	1/8 Cirrocumulus.	1/8 Cirrocumulus.	1/8 Cirrocumulus.	....
	31	Clear.	1/8 Cirrostratus.	1/8 Cirrostratus.	1/8 Cirrostratus.	....

Aden Mean Time.		*Height of the Tide (in Feet) as taken from the Self-Registering Tide-Gauge.*											
		Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
DECEMBER, 1846.	1	....	....	....	....	....	....	....	....	....	....	....	....
	2	....	....	....	....	....	....	....	....	....	....	....	....
	3	....	....	....	....	....	....	....	....	....	....	....	....
	4	....	....	....	....	....	....	....	....	....	....	....	....
	5	....	....	....	....	....	....	....	....	....	....	....	....
	6	....	....	....	....	....	....	....	....	....	....	....	....
	7	....	....	....	....	....	....	....	....	....	....	....	....
	8	....	....	....	....	....	....	....	....	....	....	....	....
	9	....	....	....	....	....	...	....	....	....	....	....	....
	10	....	....	....	....	....	....	....	....	....	....	....	....
	11	....	....	....	....	....	....	....	....	....	....	....	...
	12	–0·2	0·2	0·4	0·6	0·7	0·8	0·8	0·7	0·6	0·6	0·8	1·3
	13	–0·8	–0·5	0·0	0·6	1.0	1·2	1·2	1·0	0·8	0·7	0·7	0·9
	14	–1·6	–1·1	–0·5	0·4	1·0	1·6	1·7	1·6	1·5	1·2	0·9	0·9
	15	–2·2	–1·7	–0·8	....	....	....	....	....	....	....	....	....
	16	–2·8	–2·6	–1·8	–0·7	0·5	1·4	2·1	2·4	2·3	2·0	1·6	1·2
	17	–3·0	–3.4	–3·0	–2·0	–0·7	0·4	1·5	2·3	2·6	2·4	2.0	1·5
	18	–3·0	–3·7	–3·6	–2·8	–1·5	–0·2	1·2	2·2	2·8	2·8	2·5	-1·9
	19	–2·1	–3·3	–3·7	–3·4	–2.4	–1·0	0·4	1·7	2·7	3·2	3·1	2·6
	20	–1·0	–2·4	–3·3	–3·5	–3·0	–2·0	–0·6	0·9	2·3	3·2	3·4	3·2
	21	–0·2	–1·1	–2·3	–3·0	–3·1	–2·4	–1·3	0·0	1·4	2.7	3·3	3·3
	22	1·4	0·1	–1·2	–2·1	–2·6	–2·4	–1·8	–0·7	0·6	2·0	2·9	3·4
	23	0·6	0·7	–0 3	–1·2	–1·7	–1·9	–1·7	–0·8	0·3	1·7	2·4	3·0
	24	1·1	0·7	0·2	–0·5	–0·8	–1·3	–1·3	–0·9	–0·2	0·8	1·9	2·6
	25	0·6	0·7	0·6	0·4	0·2	–0·1	–0·4	–0·6	–0.4	0·2	0·8	1·7
	26	–0.7	–0·4	0·2	0·5	0·6	0·5	0·4	0·1	–0·2	0·0	0·4	1·2
	27	–1·7	–1·2	–0·5	0·3	0·8	1·2	1·2	1·1	0·8	0·7	0.7	1·0
	28	–2·6	–2·0	–1·2	–0·3	0·6	1·3	1·7	1·8	1·6	1·3	1·0	0·8
	29	–3·0	–2·0	–2·1	–0·7	0·3	1.2	1·8	2·0	2·0	1·6	1·3	1·1
	30	–3·2	–3·2	–2·5	–1·5	–0·4	1·0	1·8	2·4	2·6	2·4	2·0	1·5
	31	–2·7	–3·2	–3·0	–2·2	–1·0	0·2	1·5	2·2	2·7	2 5	2·2	1·7

Aden Mean Time.		Height of the Tide (in Feet) as taken from the Self-Registering Tide-Gauge.											
		12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
DECEMBER, 1846.	1	....	....	....	....	....	....	....	....	....	....	....	....
	2	....	....	....	....	....	....	....	....	....	....	....	....
	3	....	....	....	....	....	....	....	....	....	....	....	....
	4	....	....	....	....	....	....	....	....	....	....	....	....
	5	....	....	....	....	....	....	....	....	....	....	....	....
	6	....	....	....	....	....	....	....	....	....	....	....	....
	7	....	....	....	....	....	....	....	....	....	....	....	....
	8	....	....	....	....	....	....	....	....	....	....	....	..
	9	....	....	....	....	....	....	....	....	....	....	....	...
	10	....	....	....	....	....	....	....	....	....	....	....	....
	11	....	....	....	....	....	....	....	....	....	....	....	....
	12	1·6	2·3	2·5	2·6	2·4	1·9	1·6	1·3	0·4	–0·4	–0·9	–1·2
	13	1·4	2·0	2·4	2.7	2·6	2·3	1·7	0·7	–0·3	–0·9	–1·6	–1·8
	14	1·2	1·8	2·4	2·8	3·0	3·0	2·5	1·6	0·6	–0·5	–1·3	–2·2
	15	....	....	....	....	....	....	....	....	....	–0·6	–1·6	–2·5
	16	0·9	1·2	1·6	2·3	2·9	3·4	3·4	2·7	1·7	0·5	–0·8	–2·2
	17	1·0	0·8	1·1	1·7	2·4	3·0	3·4	3·4	2·6	1·3	–0·3	–1·8
	18	1·4	0·8	0·8	1·2	1·7	2·4	3·2	3·4	3·2	2·4	1·3	0·7
	19	1·8	1·1	0·8	0·8	1·3	2·1	2·8	3·5	3·6	3·2	2.2	0·6
	20	2·5	1·6	1·0	0·7	0·7	1·1	1·8	2·5	3·1	3·2	2·7	1·6
	21	3·0	2·2	1·4	0·7	0·2	0·3	0·8	1·5	2·1	2.6	2·7	2·1
	22	3·3	2·8	2·0	1·2	0·5	0·0	0·0	0·4	0·8	1·6	2·0	2·0
	23	3·2	2·7	2·1	1·2	0·3	–0·3	–0·6	–0·5	–0·1	0·4	0·9	1·2
	24	3·1	3·1	2·6	1·9	1·1	0·2	–0·6	–0·9	–1·0	–0·7	–0·3	0·2
	25	2·5	3·0	3·0	2·7	2·0	1·2	0·3	–0·5	–1·3	–1·7	–1.6	–1·3
	26	1·8	2·5	2·8	2·8	2·5	1·9	1·0	0·1	–0·8	–1·7	–2·1	–2·1
	27	1·4	2·0	2·6	2·9	2·9	2·7	1·9	1·0	–0·2	–1·2	–2·1	–2·6
	28	1·0	1·6	2·2	2·7	3·0	3·0	2·6	1·7	0·6	–0·7	–1·8	–2·7
	29	1·0	1·3	1·7	2·3	2·7	2·9	2·7	2·0	1·0	–0·4	–1·3	–2·6
	30	1·1	1·2	1·5	1·9	2·4	2·9	3·1	2·7	2·0	0·9	–0·5	–1·7
	31	1·2	1·1	0·9	1·4	1·9	2·5	2·9	2·8	2·4	1·5	0·3	–0·8

Mean Solar-time and Height of High and Low-Water, Corresponding with the ☽'s. Upper and Lower Transits.

Date.		☽'s. Upper Transit.						☽'s. Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
		Time of ☽'s. Transit.	High Water.		Low Water.		Range of Tide.	Time of ☽'s. Transit.	High Water.		Low Water.		Range of Tide.		
			Time.	Height in Feet.	Time.	Height in Feet.			Time.	Height in Feet.	Time.	Height in Feet.			
DECEMBER, 1846.	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....
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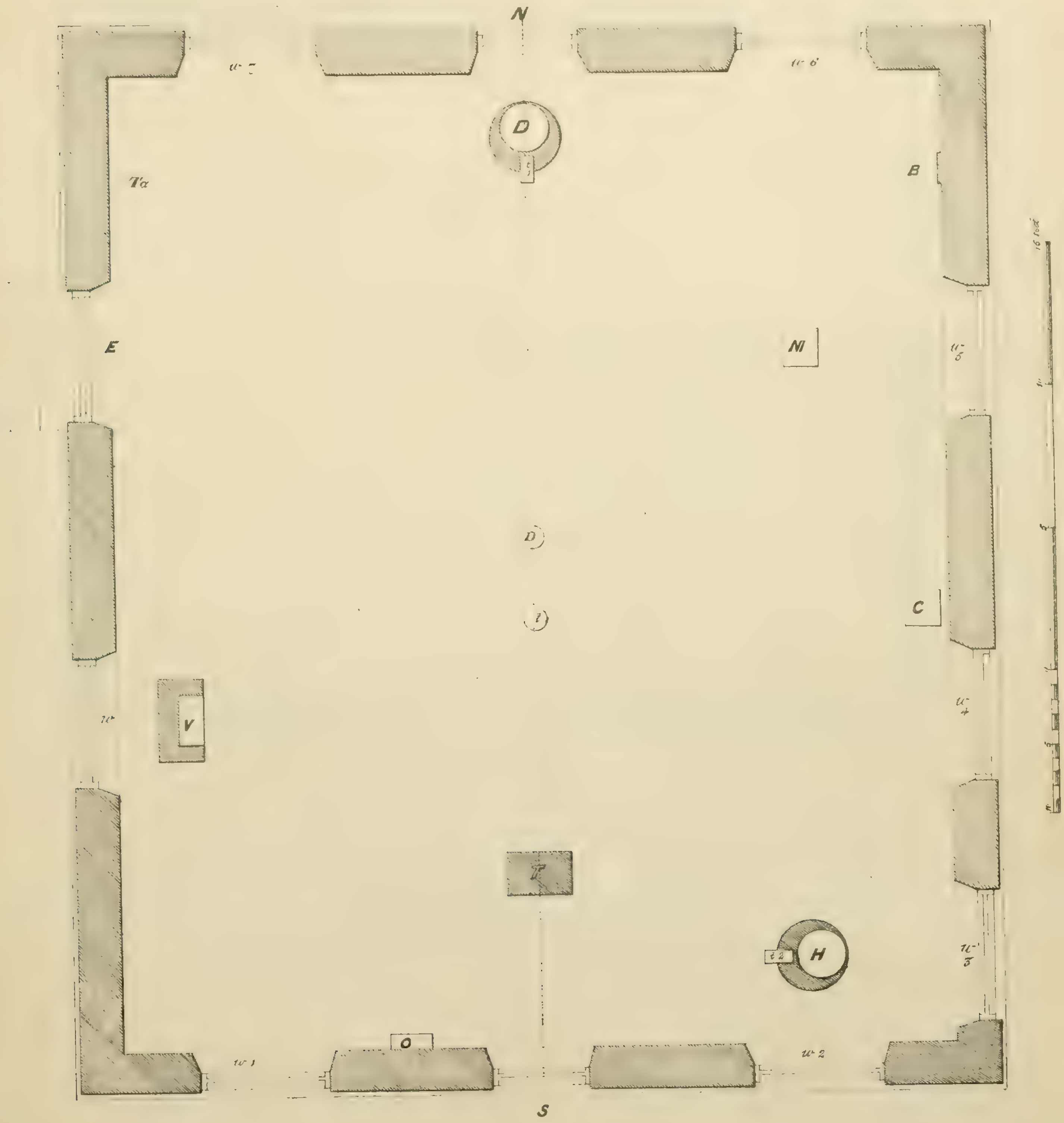
	5	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	6	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	7	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	8	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	9	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	10	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	11	H. M.	H. M.	....	H. M.	....	....	H. M.	....	....	H. M.	....	....	....	D.
	12	19·32	15·00	2·6	22·15	–1·3	3·9	7·11	5·00	0·8	8·30	0·6	0·2	3·9	23·4
	13	20·18	15·30	2·7	23·00	–1·8	4·5	7·55	5·30	1·2	9·15	0·6	0·6	4·5	24·4
	14	21·06	16·30	3·1	23·30	–2.1	5·2	8·42	6·30	1·7	10·40	0·8	0·9	5·2	25·4
	15	21·57	....	....	24·30	–2·7	2·7	9·32	....	....	....	....	....	....	26·4
	16	22·51	17·30	3·4	25·00	–3·4	6·8	10·24	7·15	2·4	12·00	0·9	1·5	6·1	27·4
	17	23·48	18·30	3·5	25·15	–3·7	7·2	11·20	8·15	2·6	12.45	0·8	1·8	6·9	28·4
	18	24·46	19·00	3·4	26·00	–3·7	7·1	12·17	8·30	2·9	13.30	0·7	2·2	7·1	29·4 ●
	19	25·44	19·30	3·7	27·00	–3·5	7·2	13·15	9·15	3·2	14·20	0·7	2·5	7·4	0·9
	20	26·41	21·00	3·2	27·30	–3·1	6·3	14·12	10·00	3·4	15·30	0·6	2·8	6·9	1·9
	21	27·35	21·45	2·7	28·30	–2·6	5·3	15·08	10·45	3·4	16·30	0·3	3·1	6·5	2·9
	22	28·29	22·45	2·1	29·00	–1·9	4.0	16·02	11·15	3·5	17·30	0·0	3·5	6·1	3·9
	23	29·21	23·15	1·2	29·45	–1·3	2·5	16.55	11·55	3·2	18·30	–0·6	3·8	5·1	4·9
	24	....	....	....	....	....	....	17·47	12·30	3·2	19·45	–1·0	4·2	4·5	5·9
	25	6·14	1·30	0·6	7·30	–0·5	1·1	18·38	13·30	3·1	21·00	–1·7	4·8	4·8	6·9 ☽
	26	7·03	4·00	0·5	8·15	–0·2	0·7	19·29	14·30	2·9	22·30	–2·1	5·0	5·0	7·9
	27	7·55	5·45	1·2	9·30	0·6	0·6	20·21	15·30	2·9	23·30	–2·7	5·6	5·6	8·9
	28	8·47	6·50	1·8	10·45	0·9	0·9	21·13	16·30	3.0	24·15	–3·1	6·1	6·1	9·9
	29	9·40	7·00	2·0	12·00	0·9	1.1	22·06	17·15	2·9	24·40	–3·3	6·2	6·0	10·9
	30	10·32	8·00	2·5	12·30	1·1	1·4	22·58	17.45	2·1	25·15	–3·2	5·3	6·4	11·9
	31	11·24	8·15	2·7	14·00	0·9	1·8	23·50	18·15	2·9	....	....	....	6·1	12·9

BOMBAY

MAGNETICAL OBSERVATORY

Ground Plan of the Large Observatory, Shewing the Disposition of the Instruments



D. Large Declination, V. Vertical Force, H. Horizontal Force; D. Small Declination Magnetometers. N.S. Astronomical meridian; T. Small Transit; B. Barometer, C. Chronometer, M. Meteorological Stand; t, t1, t2. Reading Telescopes. E. Door; Ta. Table for Books and Calculations; w, w1, w2, w3, w4, w5, w6, w7. Windows; O. Mean Time Clock.

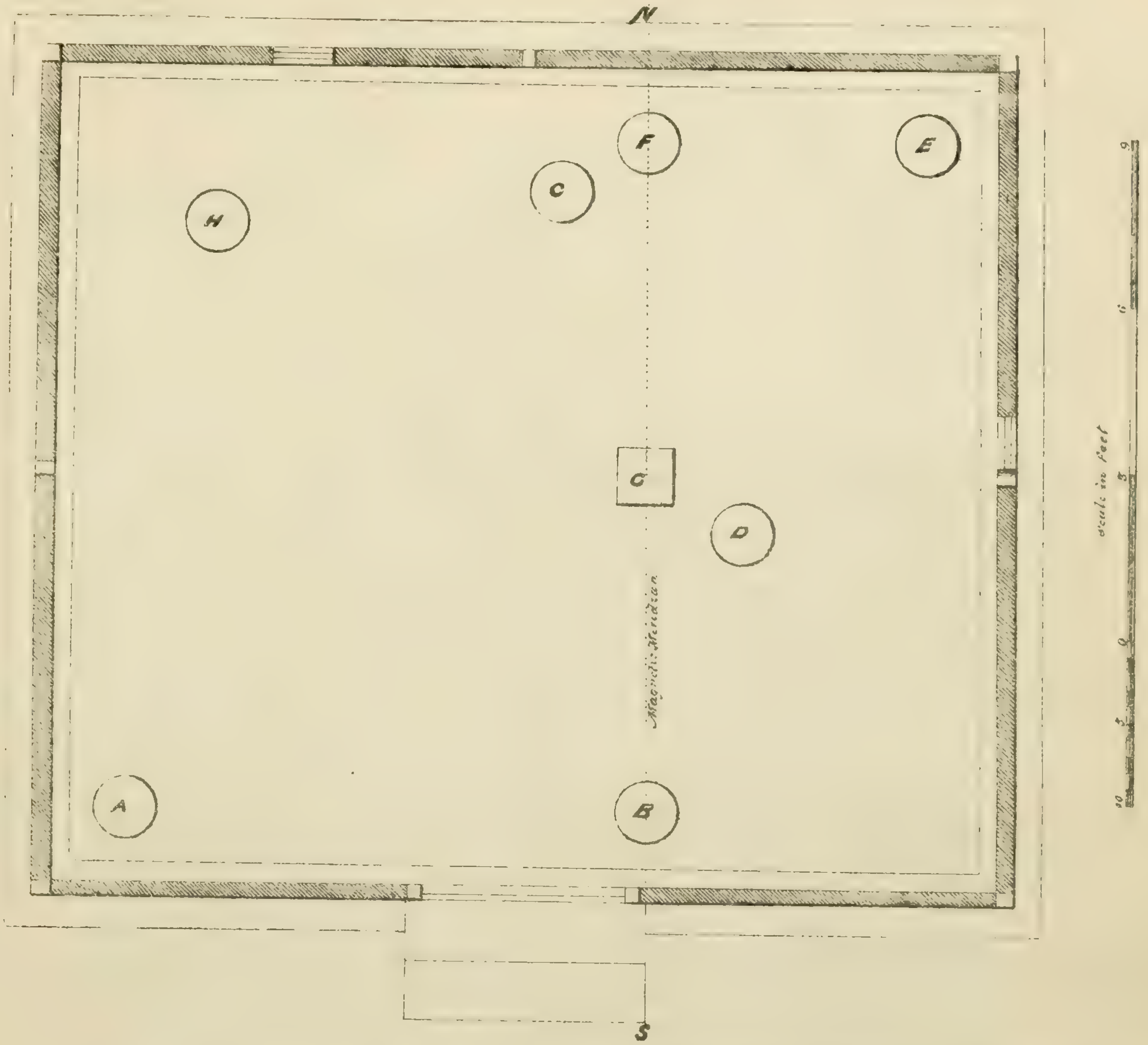
The unshaded circles mark the bases of the Magnetometers, and the shaded shew the circumference of the m

pilars on which they stand.

Litho. at the Observatory Bombay

MAGNETICAL OBSERVATORY BOMBAY

Ground Plan of the Small Observatory, shewing the Disposition of the Instruments



A. Induction Inclinometer_ B. Small Horizontal Force Magnetometer_ C. Reading Telescope of small H. F. Magnetometer_ H. Small Declination No 1._ C Reading Telescope of Decl^n No 1._ E. Small Declination No 2._ F. Reading Telescope of Decl^n No 2._ D. Spare Pillar.

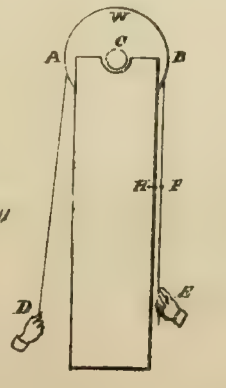


Fig. 1 Introduction page XIII

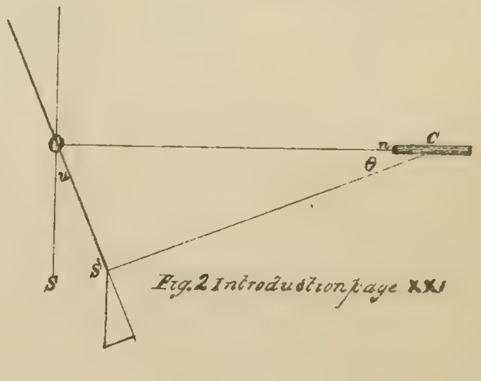
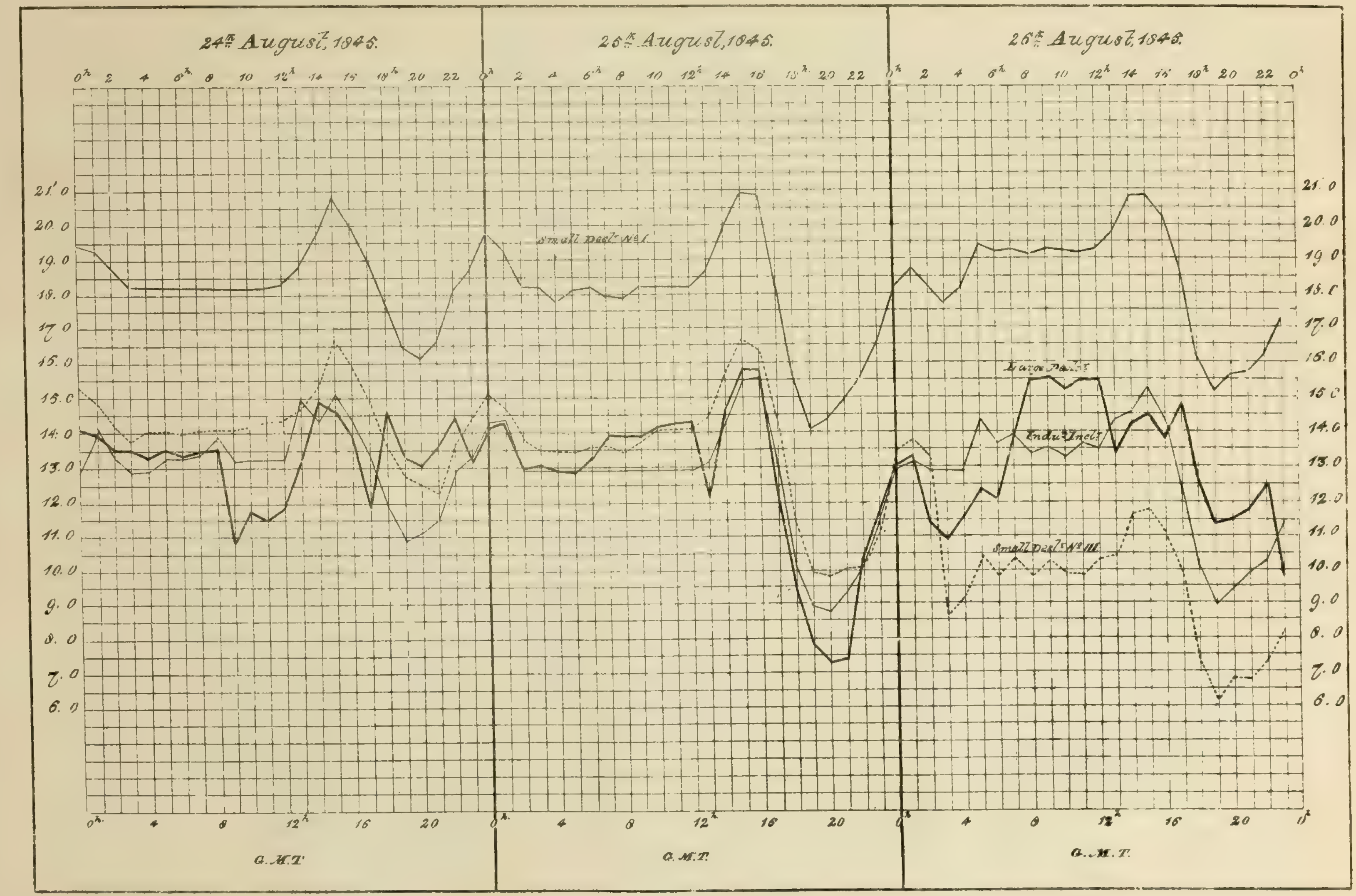


Fig. 2 Introduction page XXI

Lithographed at the Observatory

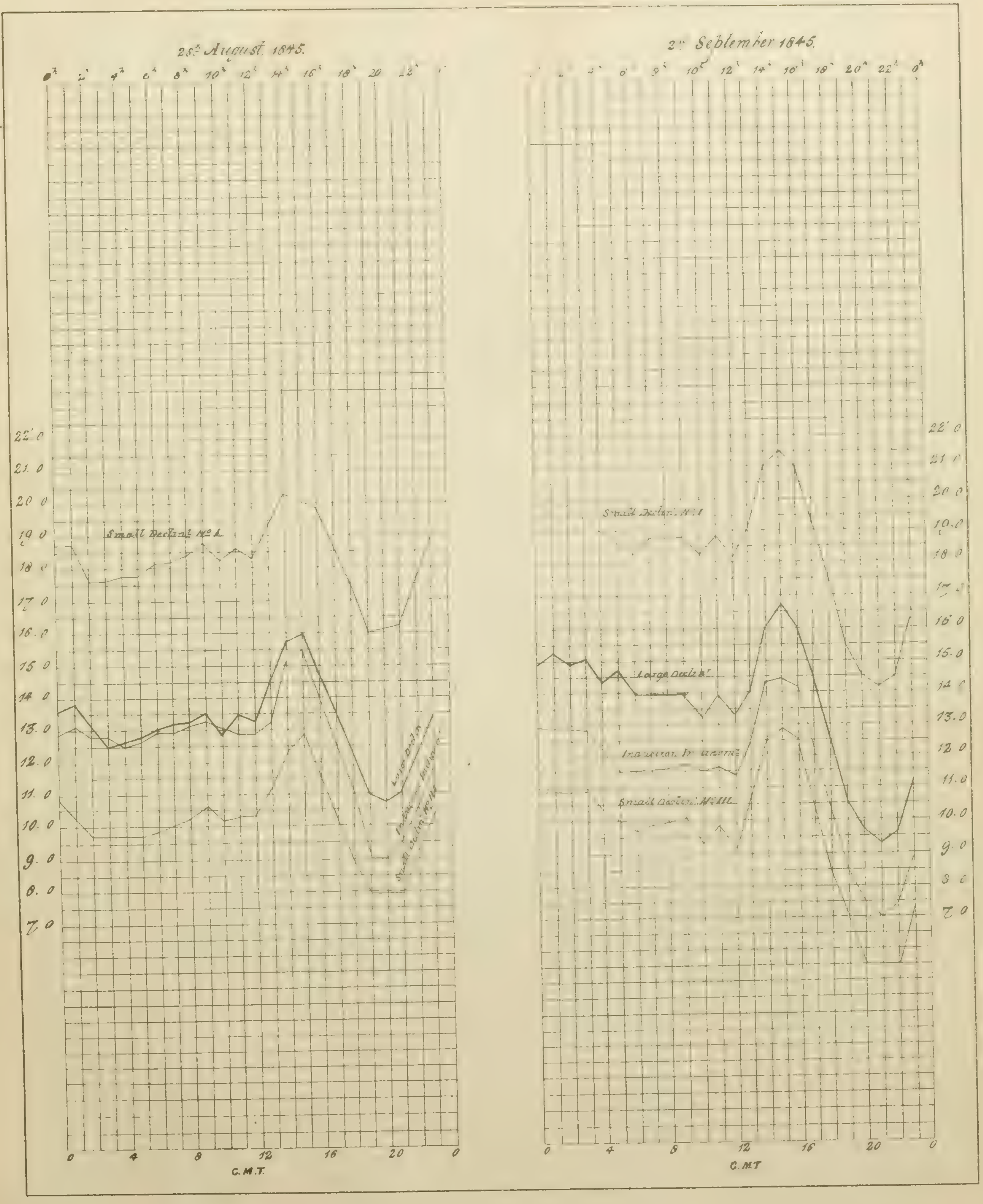
I. H. Dunn, Scr^t

Comparison of Declinometers



Lith. at the Observatory, Bombay.

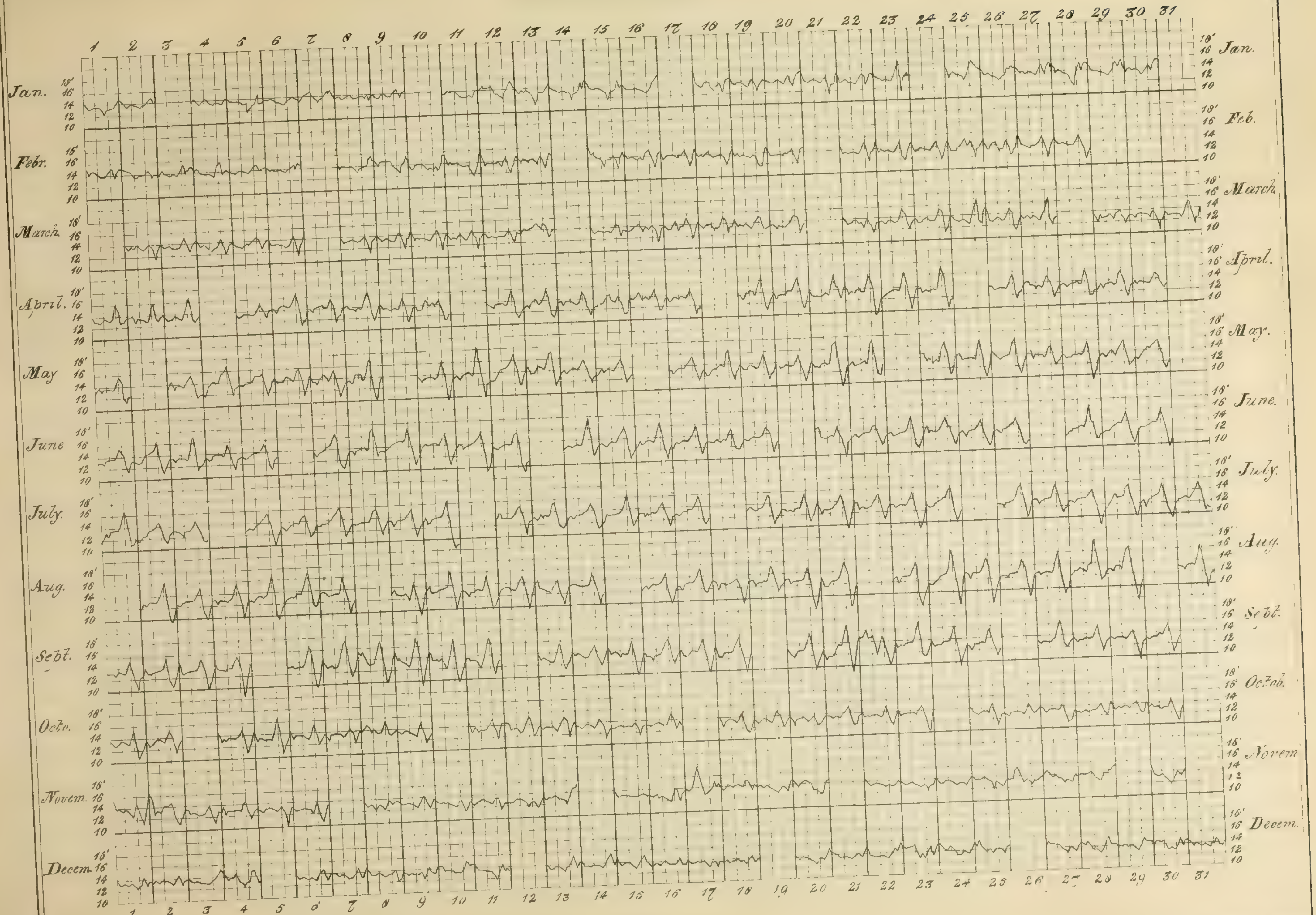
COMPARISON OF DECLINOMETERS



Litho. at the Observatory, Bombay.

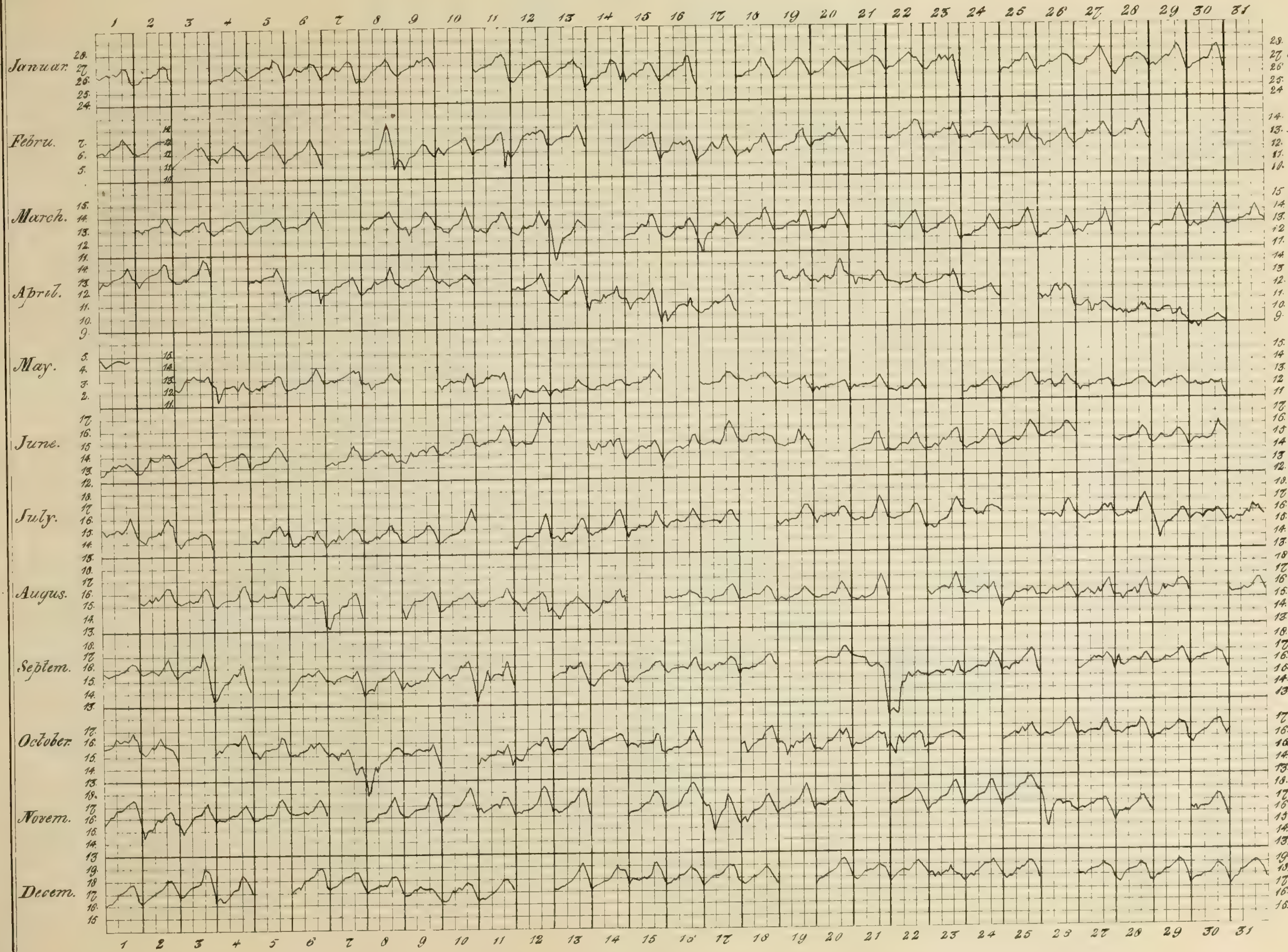
Sergt. J. H. Bunn, 1st Assist.

DECLINATION.



1846.

LARGE HORIZONTAL FORCE.



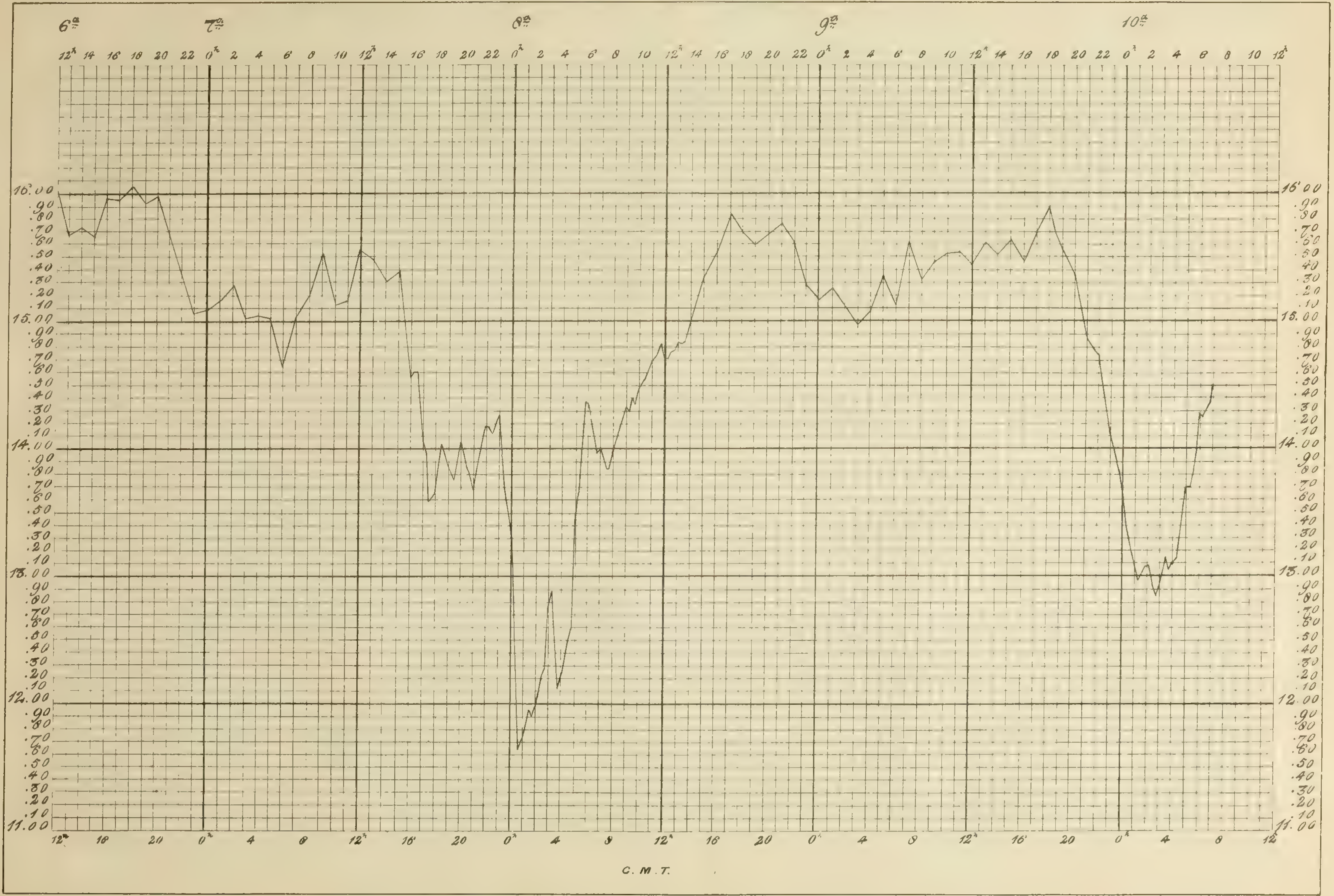
1846.

Litho. at the Observatory, Bombay.

Sergt. I H. Dunn, Asst.

LARGE HORIZONTAL FORCE

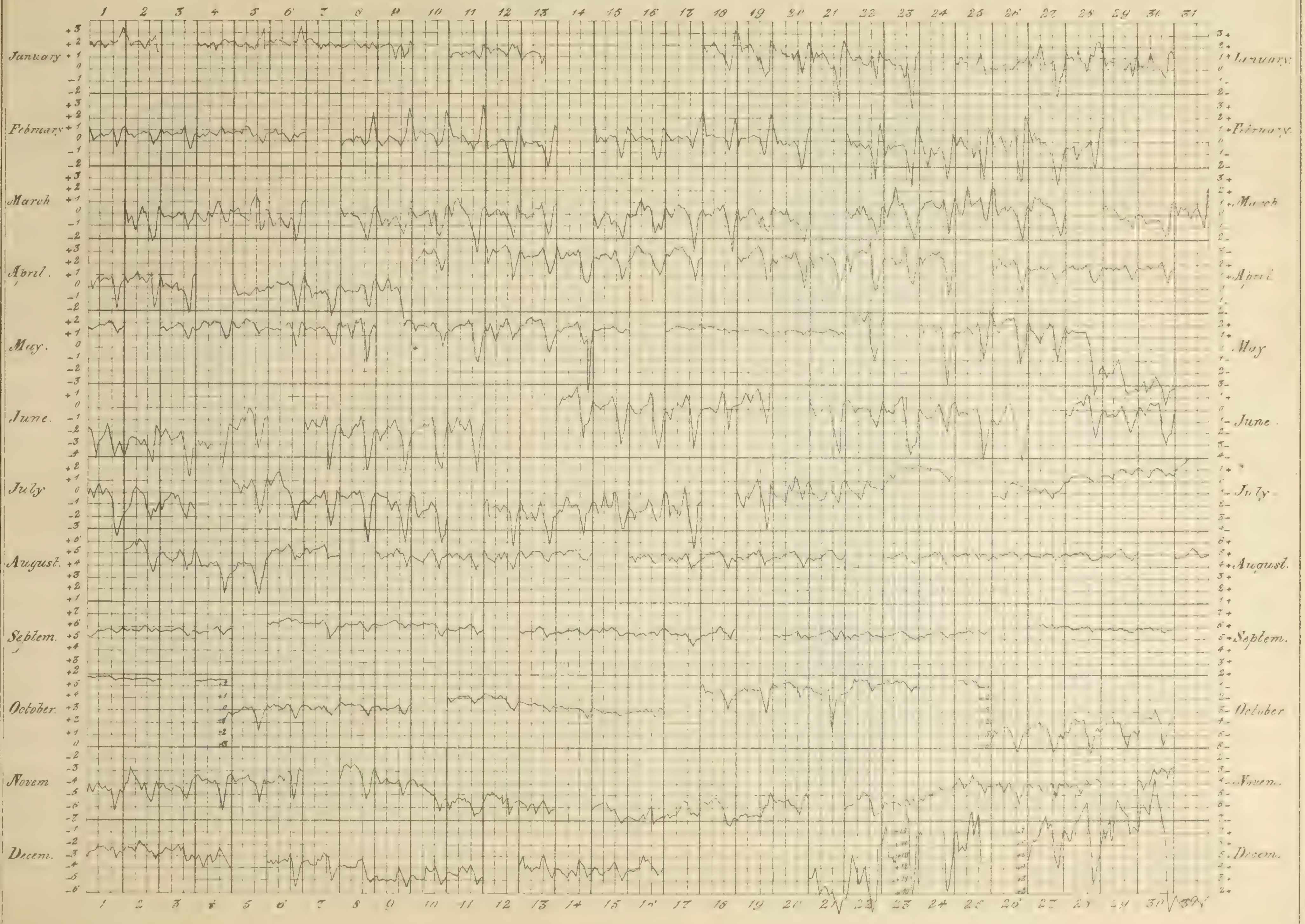
Disturbance on the 7th, 8th, 9th and 10th Oct. 1846.



Litho. at the Observatory, Bombay.

Sergt. I. H. Dunn, Assistt.

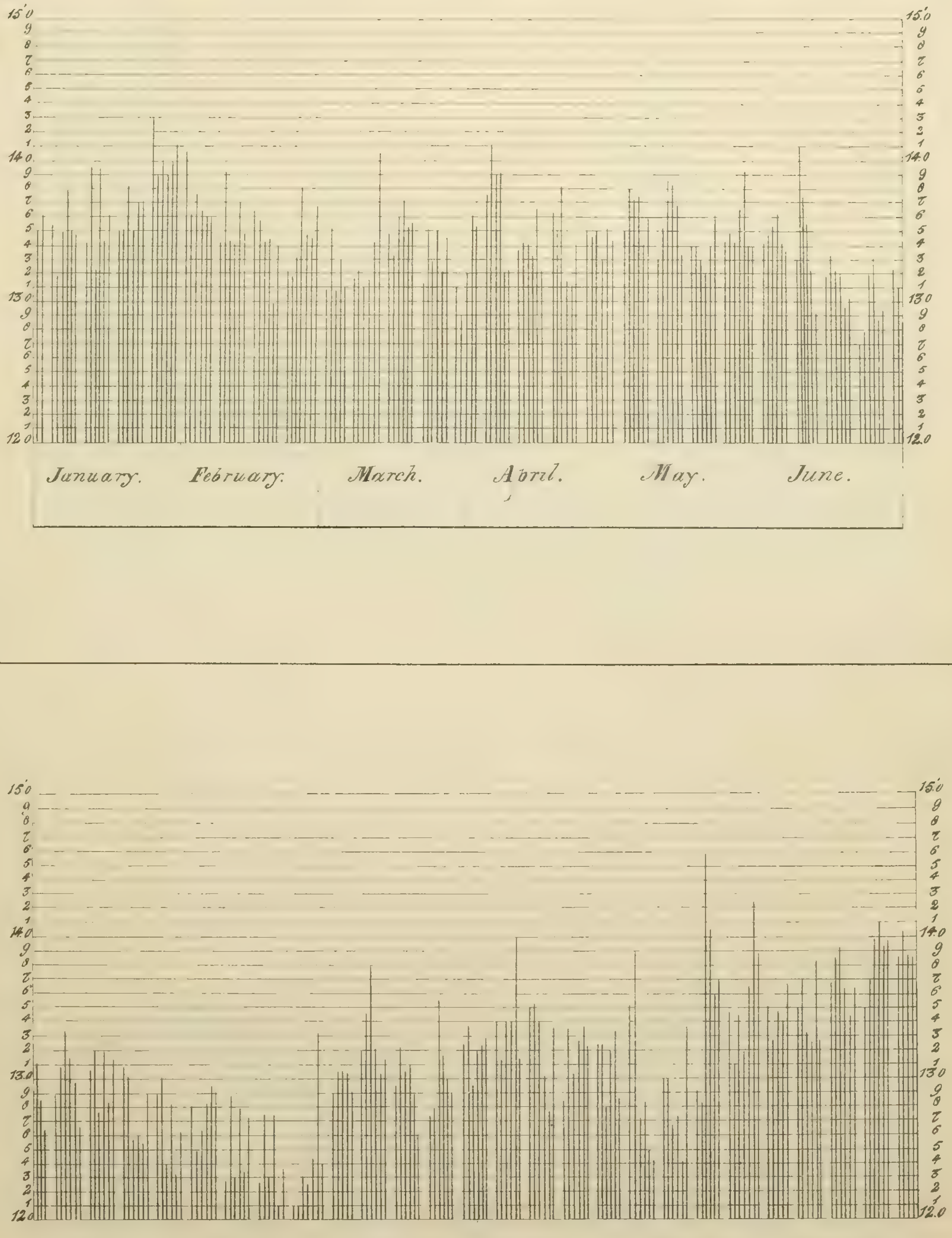
VERTICAL FORCE.



1846.

DAILY MEAN DECLINATION.

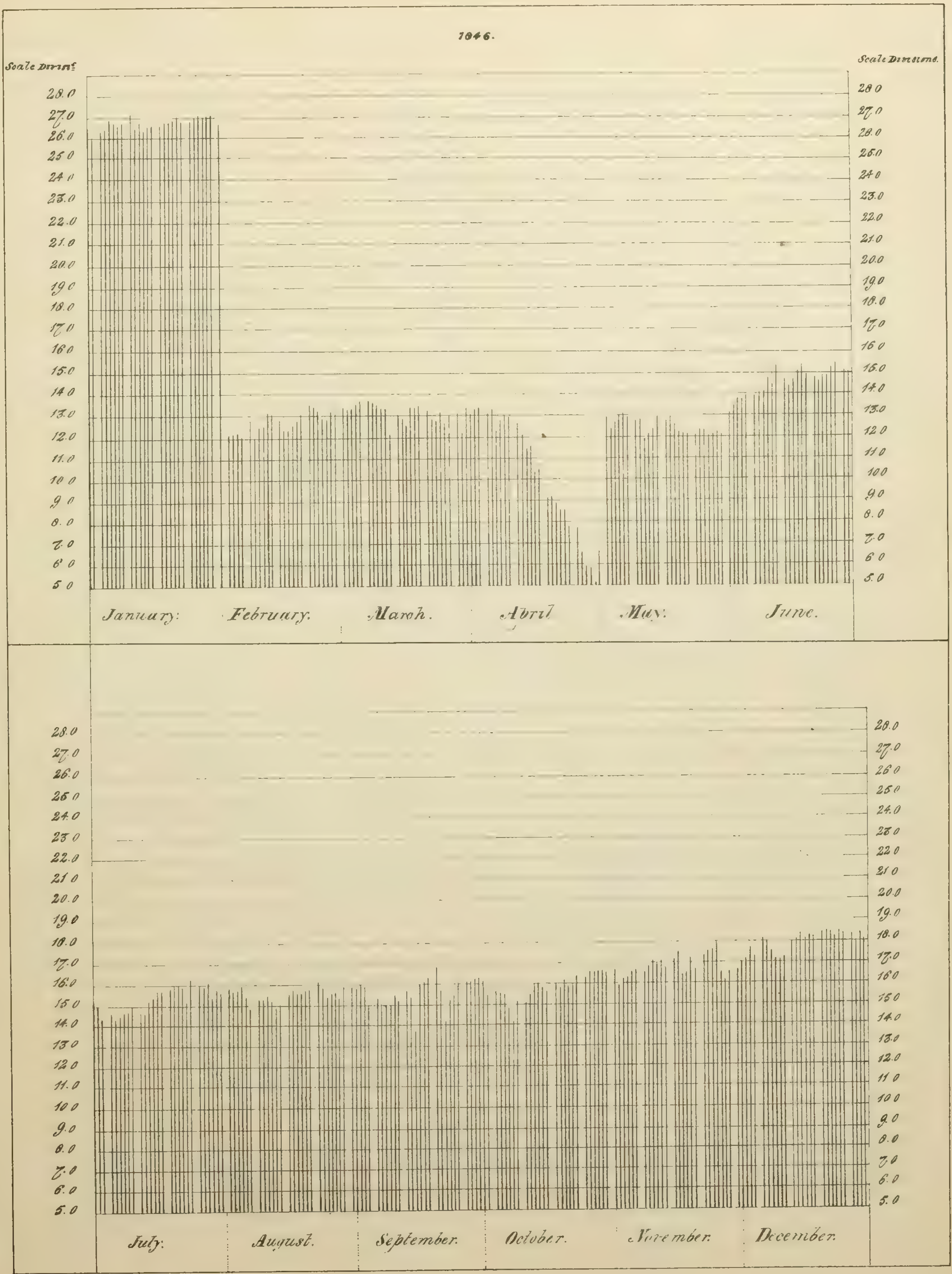
1846.



ith. at the Observatory, Bombay.

Serj.t I.H. Bunn 1st Assist.

DAILY MEAN HORIZONTAL FORCE BY LARGE INSTRUMENT.

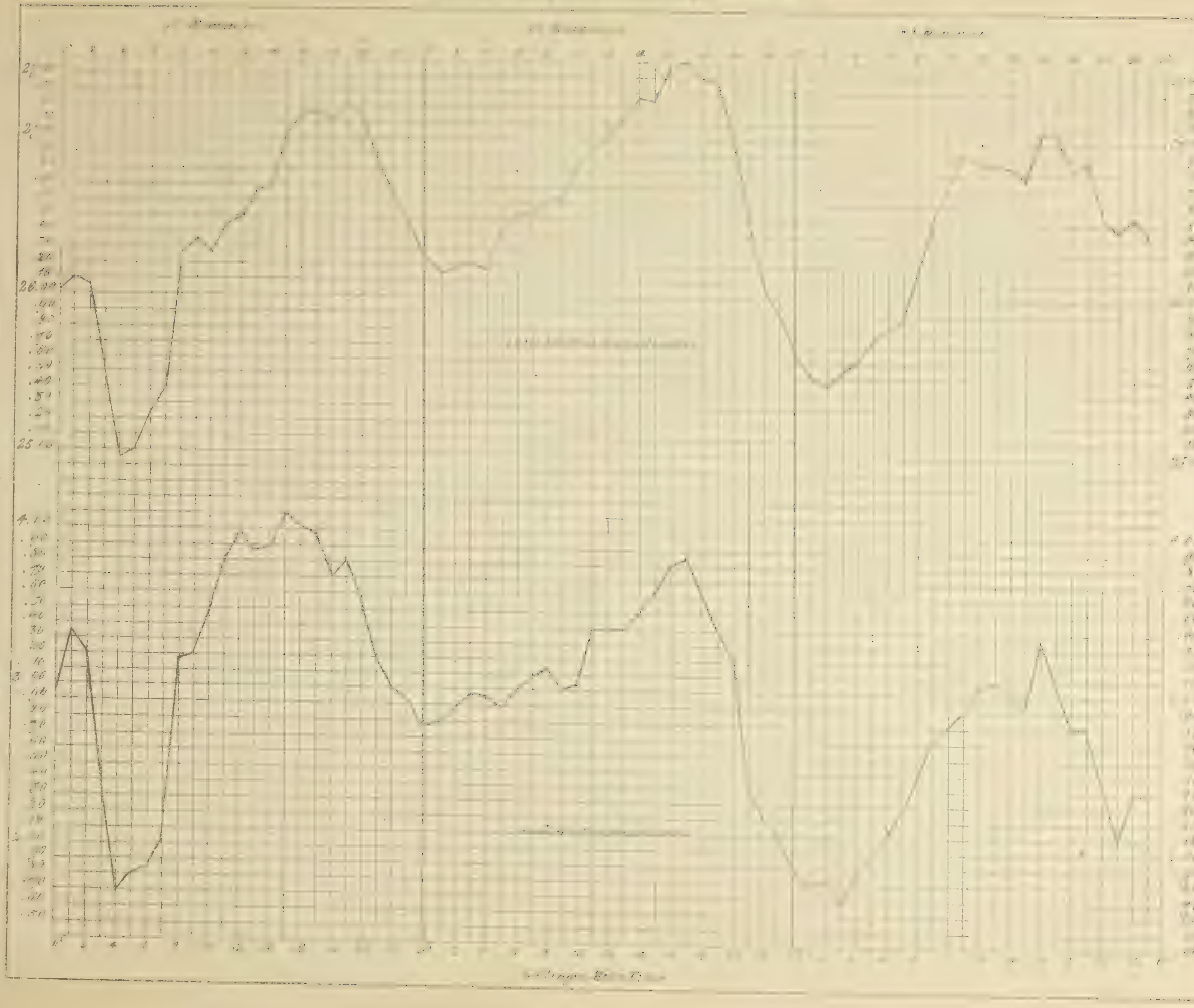


Litho at the Observatory Bombay.

Serjt. Dunn 1st Assist.

HORIZONTAL FORCE

[illegible]



Lith. at the Observatory, Bombay.

STORAGE